JVC

SERVICE MANUAL

MODEL

RC-636L/LB

FM-SW-MW-LW
4-BAND RADIO
STEREO CASSETTE
RECORDER

No. 1372
July 1978

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Specifications

DIMENSIONS: 26.4cm(H) x 47.0cm(W) x 12.3cm(D)
10-3/8" x 18-1/2" x 4-7/8"

WEIGHT: Approx. 6.0kg (with batteries)
13.2 lbs.

Frequency Ranges	:	FM 88~108MHz
		SW 6~18MHz
		MW 540~1600kHz
		LW 150~350kHz
Intermediate Frequencies	:	FM 10.7MHz
		SW/MW/LW 455kHz

RECORDER SECTION

Tape Speed	:	4.8cm/s (1-7/8 ips)
Track System	:	4-track 2-channel stereo
Recording System	:	AC Bias
Erasing System	:	AC Erasing
S/N Ratio	:	More than 45dB at 1kHz
Fast Forward Time	:	Within 90 sec. (C-60 cassette)
Rewinding Time	:	Within 90 sec. (C-60 cassette)
Wow & Flutter	:	0.14% (WRMS)

AMPLIFIER SECTION

Speakers	:	16cm(6-1/2") x 2, 4Ω
Power Output	:	Max. 9 (4.5 + 4.5) W (DC)
Input Jacks	:	MIC x 2 (0.8mV, low imp.)
Output Jacks	:	Ext. Speaker x 2 (4Ω)
		Headphones x 1 (8Ω)
Input/Output Jack	:	DIN
POWER CONSUMPTION	:	15W (at RMS power output: 636L
		14W (at 10% THD: 636LB)

SEMICONDUCTORS

ICs	:	5
Transistors	:	19
Diodes	:	18

POWER SOURCE

DC	:	12V, 8 "R20" or "U2" cells or equivalent
AC	:	110/220/240V, 50/60Hz
Fuse	:	1AT

Main Parts Location

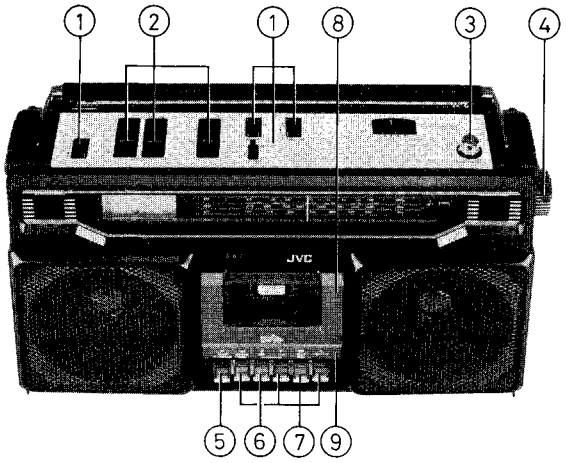


Fig. 1

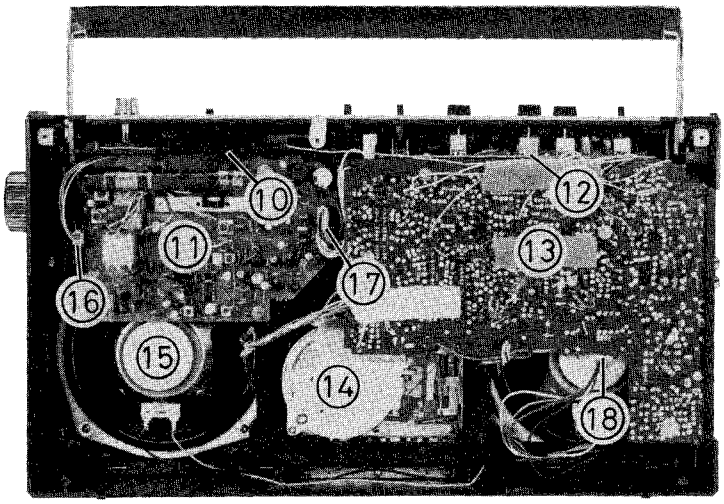


Fig. 2

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	VXQ4001-001	Knob (Lever)	Rec Mute, Mode, Function, Tape	4
2	VXS4005-001	〃 (Slide)	Volume (L,R), Tone	3
3	VXKM520-30011	〃	Fine Tuning	1
4	*VXL4021-002	〃	Tuning	1
5	*VXQ3007-002	〃 (Lever)	STOP/EJECT	1
6	*VXQ3007-001	〃 (〃)	RECORD	1
7	*VXQ3007-003	〃 (〃)	REVIEW, PLAY, CUE, PAUSE	4
8	*VJT3019-00A	Cassette Door		1
9	*VJD3118-002	Head Cover		1
10	*VYH1107-001	Chassis		1
11	* ————	Circuit Board Ass'y	Tuner	1
12	* ————	〃	Control	1
13	* ————	〃	Amplifier	1
14	* ————	Cassette Mechanism Ass'y		1
15	*EAS16P127SC	Speaker	16cm(6-1/2"), 4Ω	2
16	*VDM5043-002-004	Connector & Wire Ass'y	CN404S for Fine Tuning	1
17	*VDM5043-003-001	〃	CN401S for Tuner	1
18	*VDM5043-002-002	〃	CN402S for Speakers	1

Note:

1. **Asterisked parts (*) show "NEW PARTS". Other parts are all "CURRENT PARTS"; therefore, check your inventory and order situation before placing new order to avoid making extra stock.**
2. **The circuit board assemblies and whole assembly of cassette mechanism in this model will not be available as spare parts.**
3. **The parts marked ⚠ are the important parts for safety assurance. Use the specified part, when replacing the safety assurance part, never use an equivalent one.**

Disassembly & Replacement

A. Head Cover

Draw the right or left lower ridge of the head cover by a finger tip.

Note: The head azimuth can be adjusted by removing the head cover.

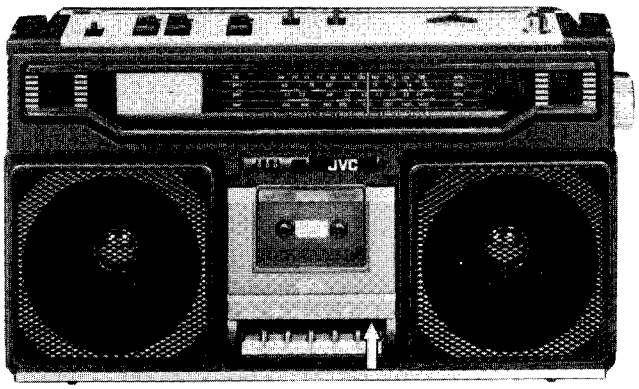


Fig. 3

B. Rear Cabinet

1. Remove 7 screws (1)~(3): SDBP3012RS and (4)~(7): V43899-1.
2. Disconnect 3 connectors from rod antenna and power supply section.

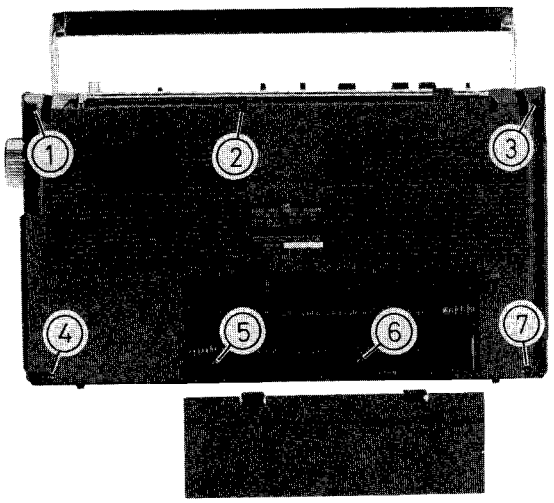


Fig. 4

C. Tuner Circuit Board

1. Set the tuning dial to the minimum frequency.
2. Disconnect 2 connectors from the fine tuning section (A) and from the amplifier circuit board (B).
3. Remove 3 screws (8)~(10): SBSB3010Z.
4. Draw the circuit board downward with slightly lifting its lower edge upwards.

Note: Fit the arm of variable capacitor and the dial drum when mounting the circuit board on the chassis. For details refer to page 9.

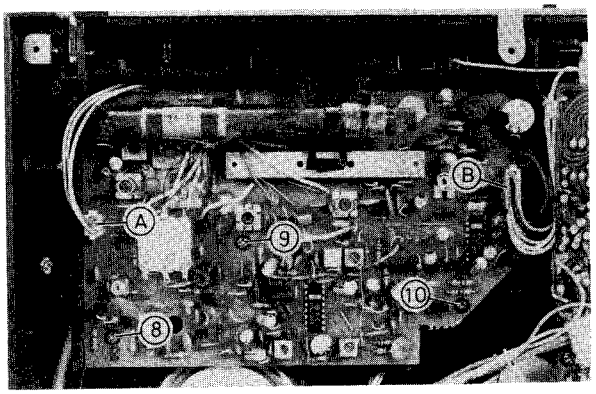


Fig. 5

D. Amplifier & Control Circuit Boards

1. Take off the tone and volume control knobs.
2. Disconnect 2 connectors (B) & (E).
3. Release the wires by straightening the wire clamp (D).
4. Remove 7 screws (11)~(17): SBSB3014Z.
5. Pull up the circuit board straightly from the cabinet.

Note: 1. Engage the projection of function switch lever and the slider (F) in place, when mounting the circuit board on the chassis.

2. When separating the control circuit board from the amplifier circuit board, remove 2 screws on the control circuit board.

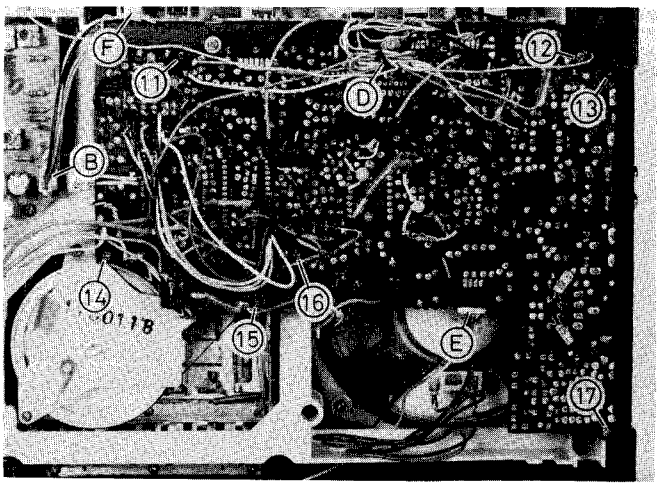


Fig. 6

E. LED Circuit Board

Press 2 projections of chassis to the arrow direction as shown in Fig. 7, after removing the tuner circuit board.

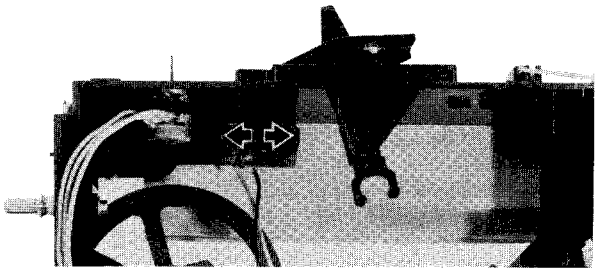


Fig. 7

F. Chassis Assembly

1. Take off the tone, volume, fine tuning and tuning knobs.
2. Disconnect the connector (E).
3. Press the STOP/EJECT button to disengaging the internal cassette door opening mechanism.
4. Remove 7 screws (18)~(22): SBSB3014C and (23) & (24): SBSB3025C.

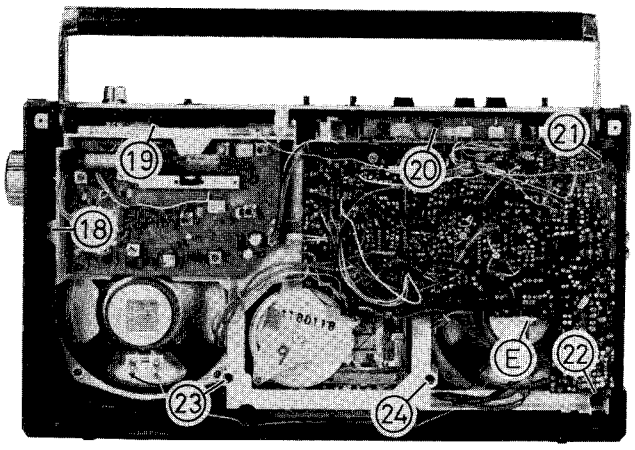


Fig. 8

G. Cassette Mechanism Assembly

1. Take the chassis assembly out of the cabinet as following the previous item F.
2. Remove 5 screws (25)~(29): SBSB3010Z and the screw (15) as shown in Fig. 6.

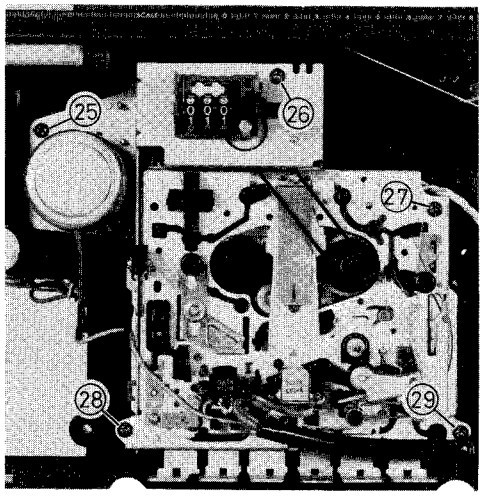


Fig. 9

H. Power Supply Section

Remove 2 screws (30) & (31): SBSB4020C.

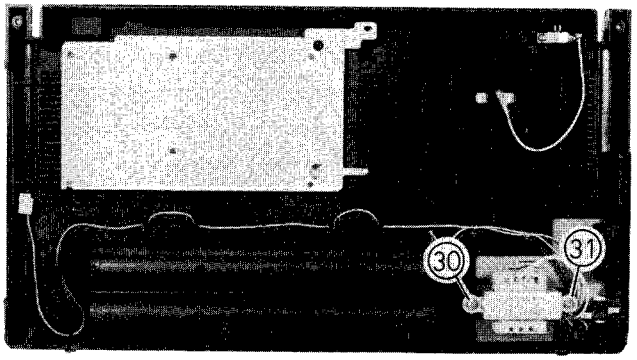


Fig. 10

I. Parts of Cassette Mechanism

The mechanism of RC-636 is essentially the same as of RC-525 or RC-323.
Refer to the service manual of RC-525 or RC-323.

Tuner Alignment

Output Measuring: Speaker terminal (Impedance =4Ω), output level 50mW (0.45V/4Ω)

AM IF & RF Alignment

Input (SSG) Modulation 400Hz, Modulated to 30%

Step	Frequency Band	Input Signal		Place to be aligned	Set the V. Capacitor to
		Frequency	Given to		
1	MW (IF)	455kHz	Loop Antenna	T1, 2	Minimum
2		Repeat the Step 1, and adjust for no further improvement.			
3	LW	145kHz	Loop Antenna	L7	Maximum
4		360kHz		TC5	Minimum
5		Repeat the Steps 3 & 4.			
6		160kHz	Loop Antenna	L4'	160kHz Signal
7		350kHz		TC4	350kHz Signal
8		Repeat the Steps 6 & 7, and adjust for no further improvement.			
9	MW	520kHz	Loop Antenna	L8	Maximum
10		1650kHz		TC7	Minimum
11		Repeat the Steps 9 & 10.			
12		600kHz	Loop Antenna	L5	600kHz Signal
13		1400kHz		TC6	1400kHz Signal
14		Repeat the Steps 12 & 13, and adjust for no further improvement.			
15	SW	5.8MHz	Rod Antenna through Dummy Antenna	L9	Maximum
16		18.6MHz		TC8	Minimum
17		Repeat the Steps 15 & 16.			
18		6.0MHz	Rod Antenna through Dummy Antenna	L6	6.0MHz Signal
19		18.0MHz		TC3	18.0MHz Signal
20		Repeat the Steps 18 & 19, and adjust for no further improvement.			

FM IF & Discriminator Alignment

1. Connect a sweep generator to the test point TP4.
2. Connect a oscilloscope across the test points TP6 (Hot) and TP9.
3. Align the T3 so that the S-curve will become symmetrical and the noise become minimum.

Note: 1. Align after mounting the tuner circuit board in the cabinet to avoid affection of leakage flux of the speaker.
2. After alignment, demagnetize the coils L10 and T3 by a head demagnetizer to decrease possible modulation hum due to leakage flux of the speaker.

FM RF Alignment

Input (SSG): Use 75Ω terminal, modulation 400Hz modulated to 22.5kHz deviation.
Connect Hot side to TP1 and Cold side to TP2.

Step	Frequency Band	Input Signal		Place to be aligned	Set the V. Capacitor to
		Frequency	Given to		
1	FM	87.4MHz	TP1 & TP2	L3	Maximum
2		109MHz		TC2	Minimum
3		Repeat the Steps 1 & 2.			
4		90MHz	TP1 & TP2	L2	90MHz Signal
5		106MHz		TC1	106MHz Signal
6		Repeat the Steps 4 & 5, and adjust for no further improvement.			

FM MPX Alignment

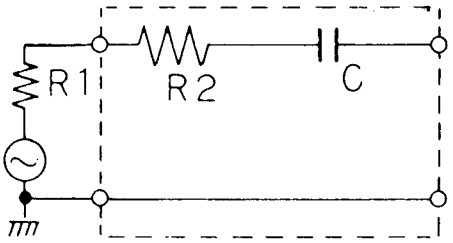
A. Regular Method

1. Connect a frequency counter to the test point TP8 through 50kΩ.
2. Ground the test point TP5.
3. Adjust the variable resistor VR1 so that the frequency becomes 19kHz ± 100Hz.

B. Simplified Method

1. Tune to a FM stereo broadcast.
2. Set the variable resistor VR1 to a center position of the range where the stereo indicator keeps lighting.

Dummy Antenna



R1 + R2 = 80Ω
C = 10pF
R1 : Output impedance of S.S.G.

Fig. 11

Parts Arrangement for Alignment

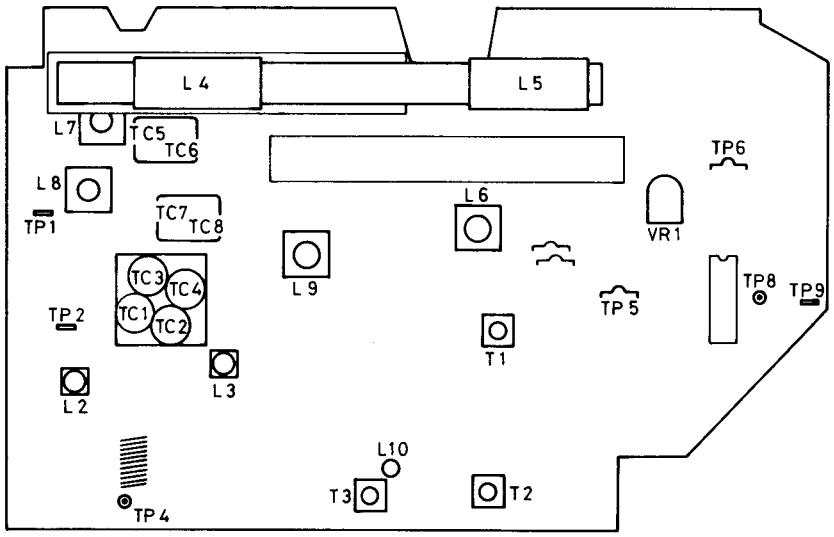


Fig. 12

Adjusting Recording Bias

Bias Frequency

1. Connect a frequency counter across TP201 (Hot) and TP202 (Cold).
2. Set the BEAT CUT switch to lower position.
3. Adjust the oscillator coil L402 so that the counter indicates 68kHz.

Bias Current

1. Connect a V.T.V.M. across TP201 – TP202 and TP301 – TP302.
2. Adjust the variable resistor VR203 (L) and VR303 (R) so that the voltage becomes 4.5mV (450μA/10Ω).

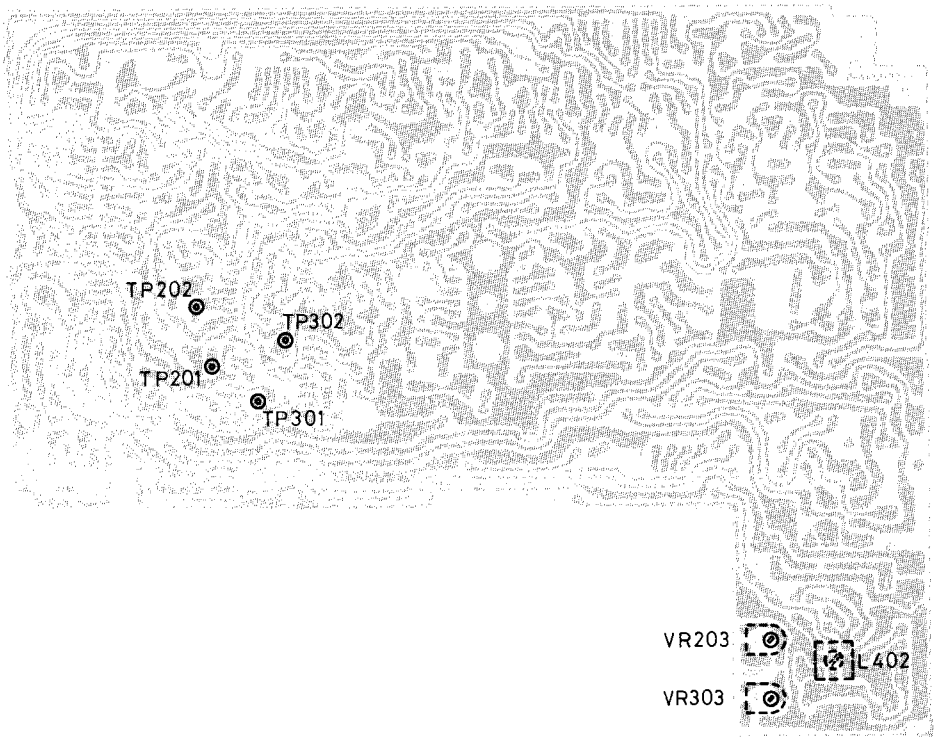


Fig. 13

Adjusting Head Azimuth

1. Connect a V.T.V.M. across the speaker terminal.
2. Set the MODE switch to MONO.
3. Playback the test cassette for azimuth adjustment.
4. Adjust the head angle for maximum output.
   Note: The output voltage shows three peaks while adjusting head angle as illustrated on the right, adjust for maximum peak.
5. Check that the output difference between MONO and STEREO is within 3dB.

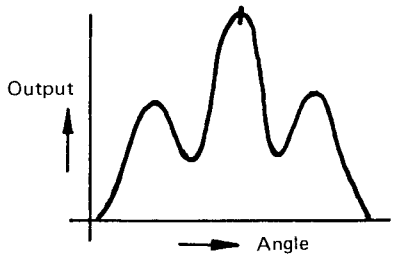


Fig. 14

How to Fit Dial Cord

1. Dial Cord
   Material: Tetoron (braided sheath) and Kevlar (inside filament), coated with Teflon
   Diameter of cord: 0.5mm (20 mil)
   Whole length of cord: 1300mm (51-3/16")
2. Remove the dial scale by loosening 2 screws.
3. Turn the dial drum fully counterclockwise.
4. Fit the cord in numerical order as shown in Fig. 15.
5. If the tuner circuit board has been removed from the chassis, engage the projection of arm which is mounted on the shaft of variable capacitor with the slot of lever which is positioned opposite side of dial drum as shown in Fig. 16.

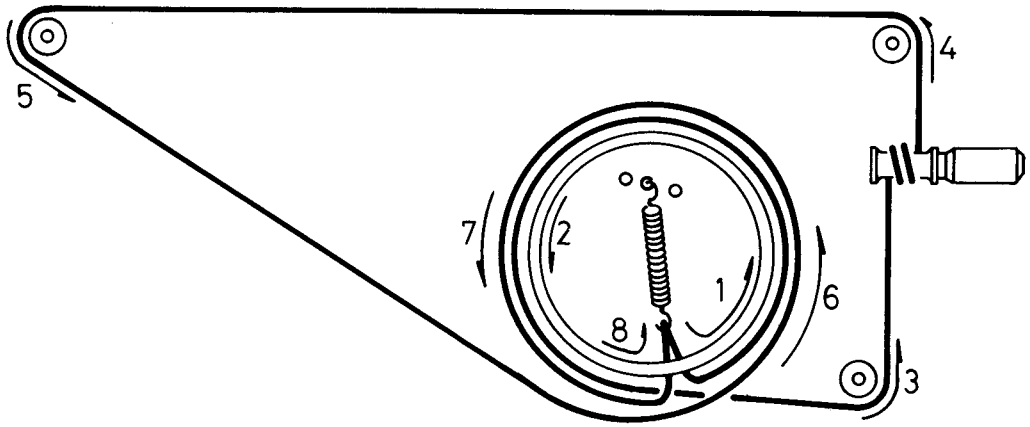


Fig. 15

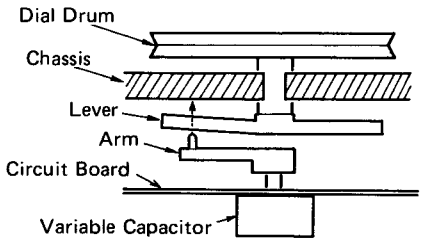


Fig. 16

Adjustment of Cassette Mechanism

Play Timing

1. In the playback mode, the clearance (A) between the pinch roller arm and the stopper of head base should be within 0.2 to 0.3 mm.
   If the clearance is beyond the limits, bend the part (B) of pinch roller arm to adjust the clearance as shown in Fig. 17.

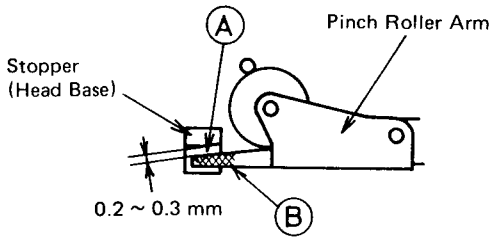


Fig. 17

2. Check to see that the take-up idler turns at the same time as the pinch roller or the take-up idler turns first and then the pinch roller turns, when the PLAY button is pressed.
   a. If the pinch roller turns very later than the take-up idler, bend the part (C) of head base which is contacted with the take-up idler by the part (D) to the (E) direction as shown in Fig. 18.
   b. If the take-up idler turns later than the pinch roller, bend the part (C) to (F) direction.

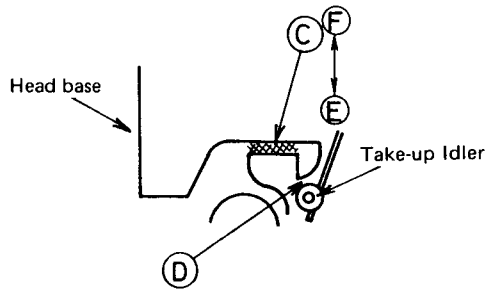


Fig. 18

Cue & Review Mechanism

1. Timing of Cue Action
   a. In the playback mode, check to see that the take-up reel disk stops turning after the pinch roller has stopped turning or stops at the same time and then the mechanism becomes fast forwarding mode when the CUE button has been pressed.
   b. If the timing is out of order, adjust it as following the item 2 of "Play Timing".
2. Timing of Review Action
   a. In the playback mode, check to see that the take-up reel disk stops turning after the pinch roller has stopped or stops at the same time and then the mechanism becomes rewinding mode, when the REVIEW button has been pressed.
   b. If the timing is out of order, adjust it as following the item 2 of "Play Timing".

Pause Timing

In the playback mode, check that the PAUSE button is locked and the mechanism temporarily becomes stop mode when the PAUSE button has been pressed, and that the button is released and the mechanism becomes playback mode when the button has been pressed again.
If the mechanism becomes fast forwarding mode, when the PAUSE button has been gradually pressed, bend the part (G) of pinch roller arm to the arrow direction to adjust that the take-up reel and the pinch roller stops at the same time as shown in Fig. 19.

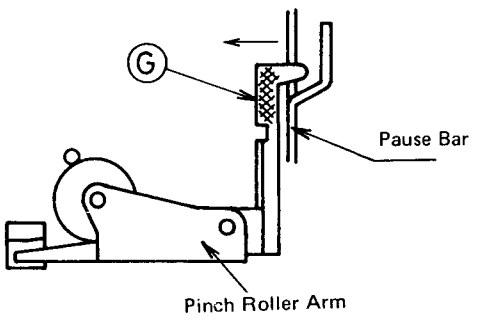


Fig. 19

Thrust of Flywheel

The clearance between the top of the flywheel shaft and the thrust screw should be within 0.1 to 0.4 mm. If the clearance is out of limits, adjust the thrust screw for normal value.

Note: After adjustment, fix the thrust screw with lock adhesive.

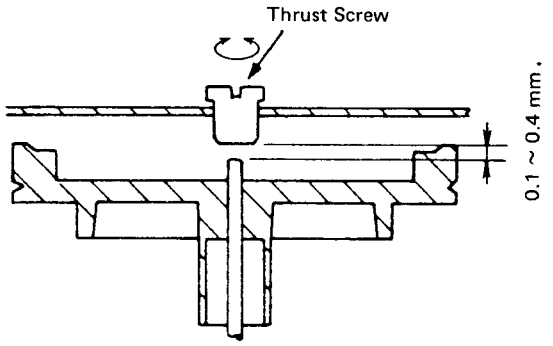


Fig. 20

Location of Heads

The play/record and erase heads should be positioned as shown below.

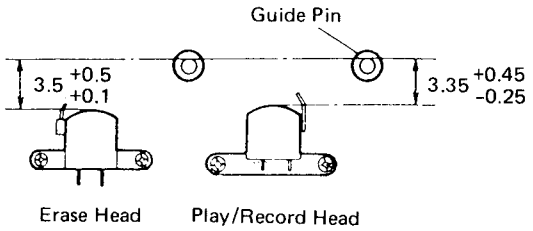


Fig. 21

Torque

Mode	Torque
PLAY	40 ~ 70 g.cm
FF	more than 60 g.cm
REWIND	more than 60 g.cm

Note: If the torque is out of limit, change the take-up reel disk.

Block Diagram

Tuner Section

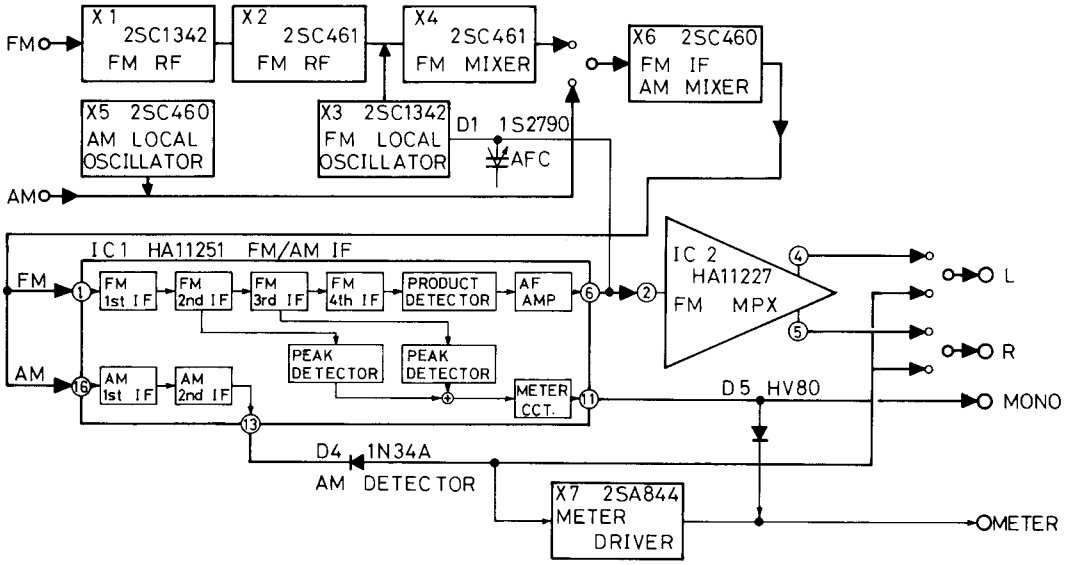


Fig. 22

Playback Mode

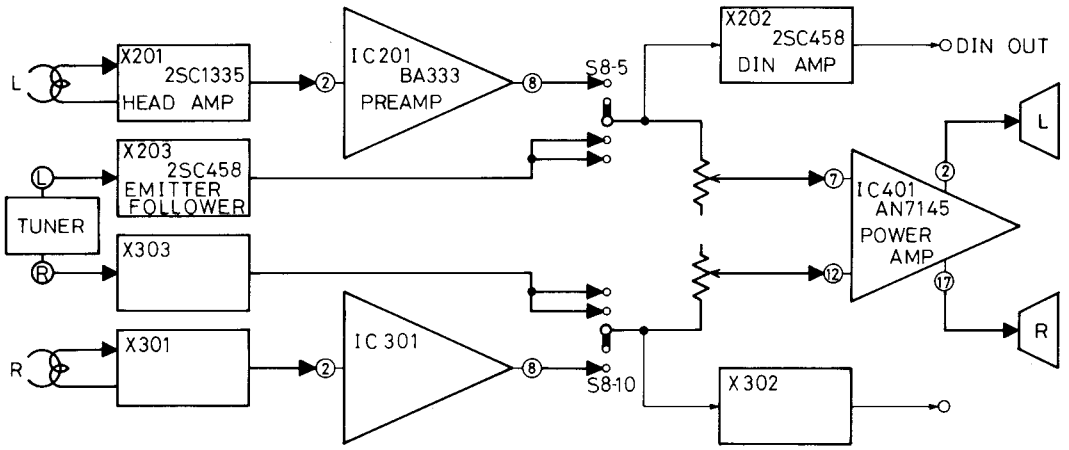


Fig. 23

Recording Mode

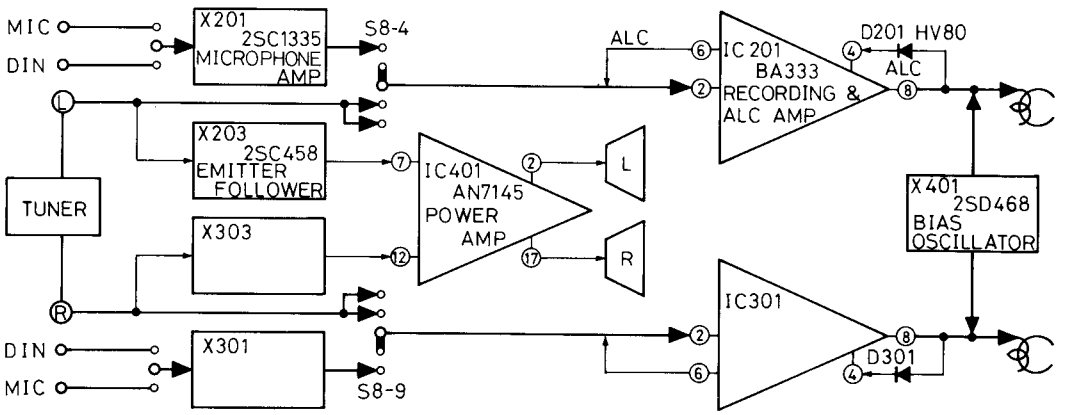


Fig. 24

Wiring Connection

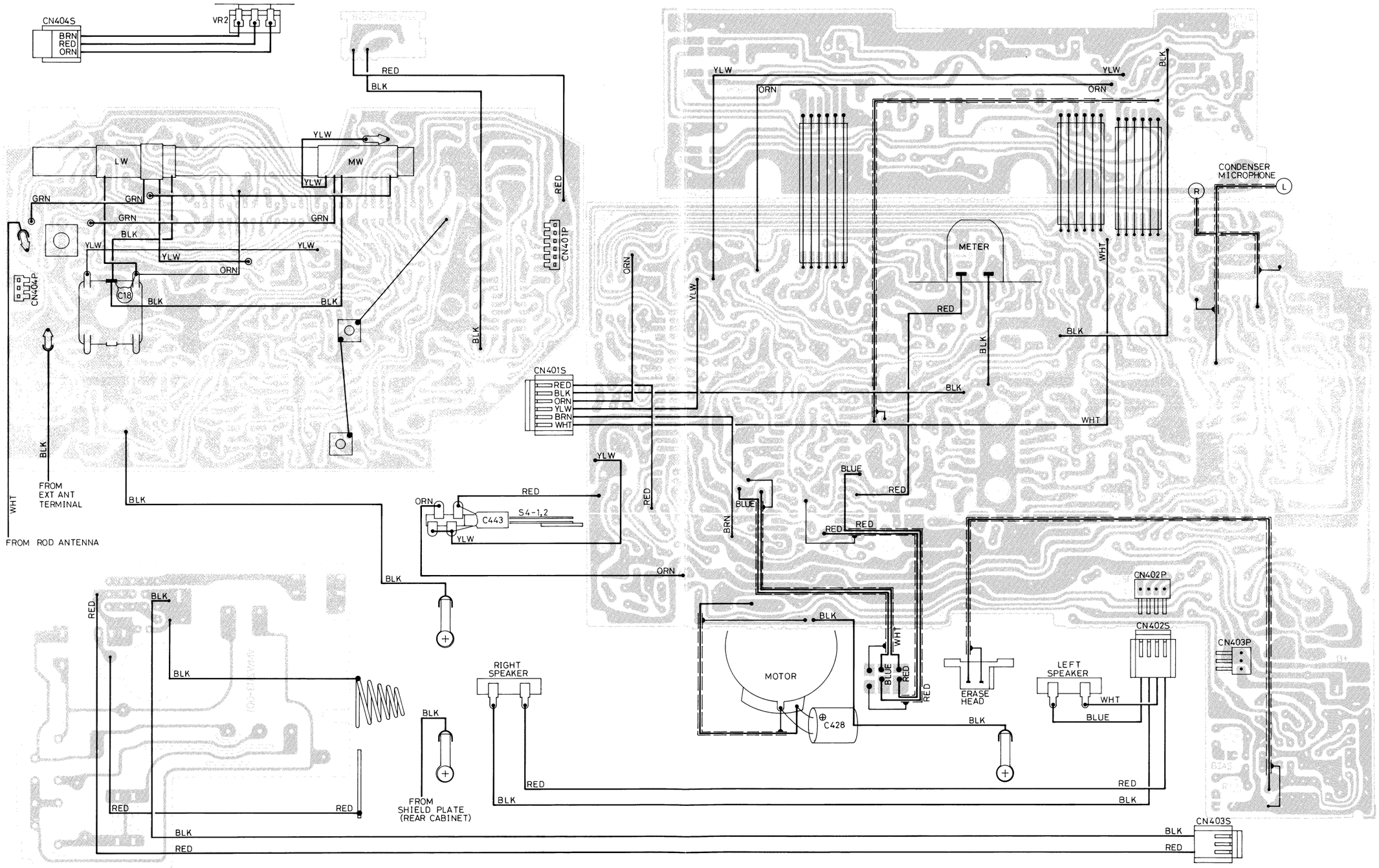


Fig. 25

Schematic Diagram of RC-636L/LB (Tuner)

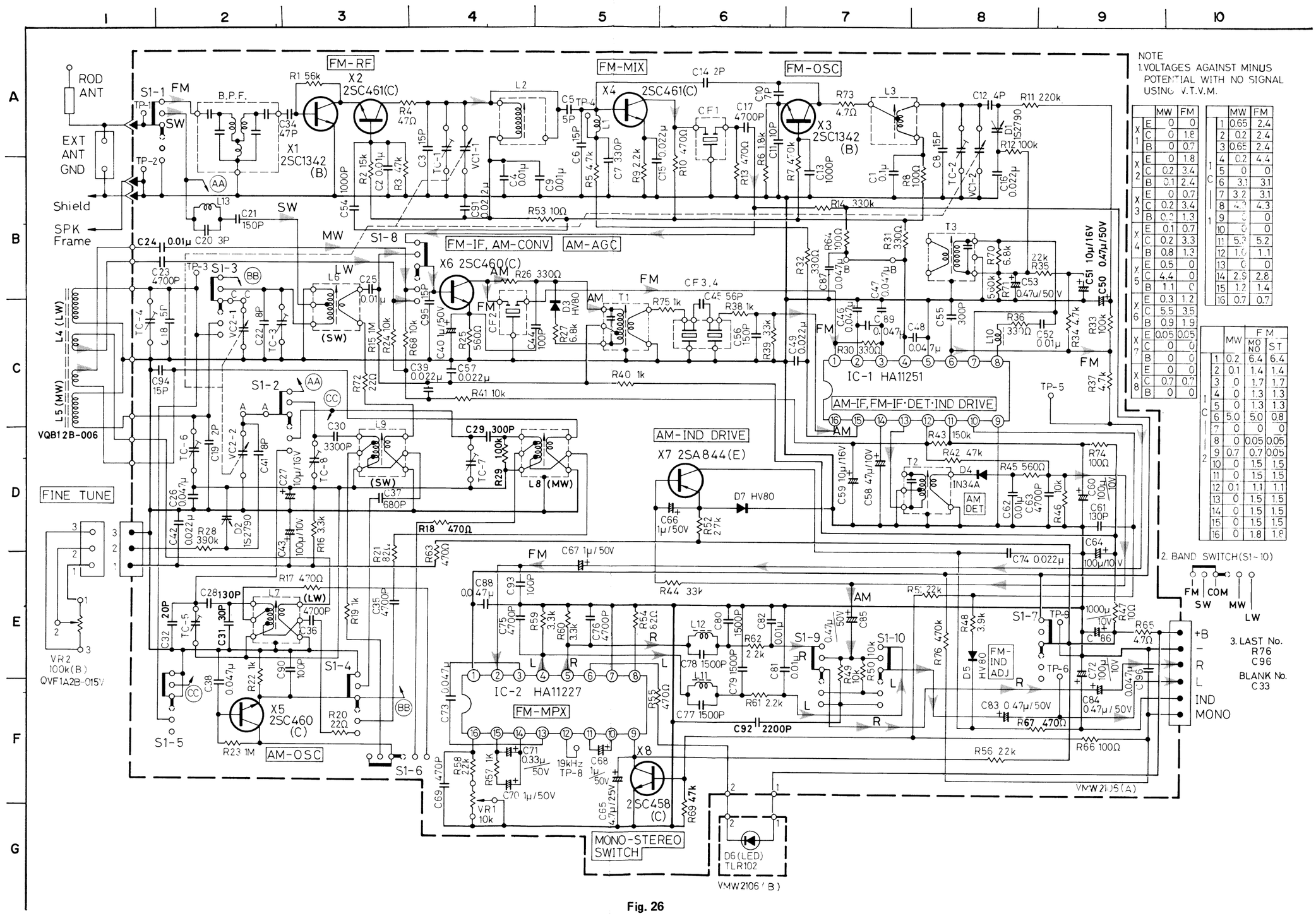
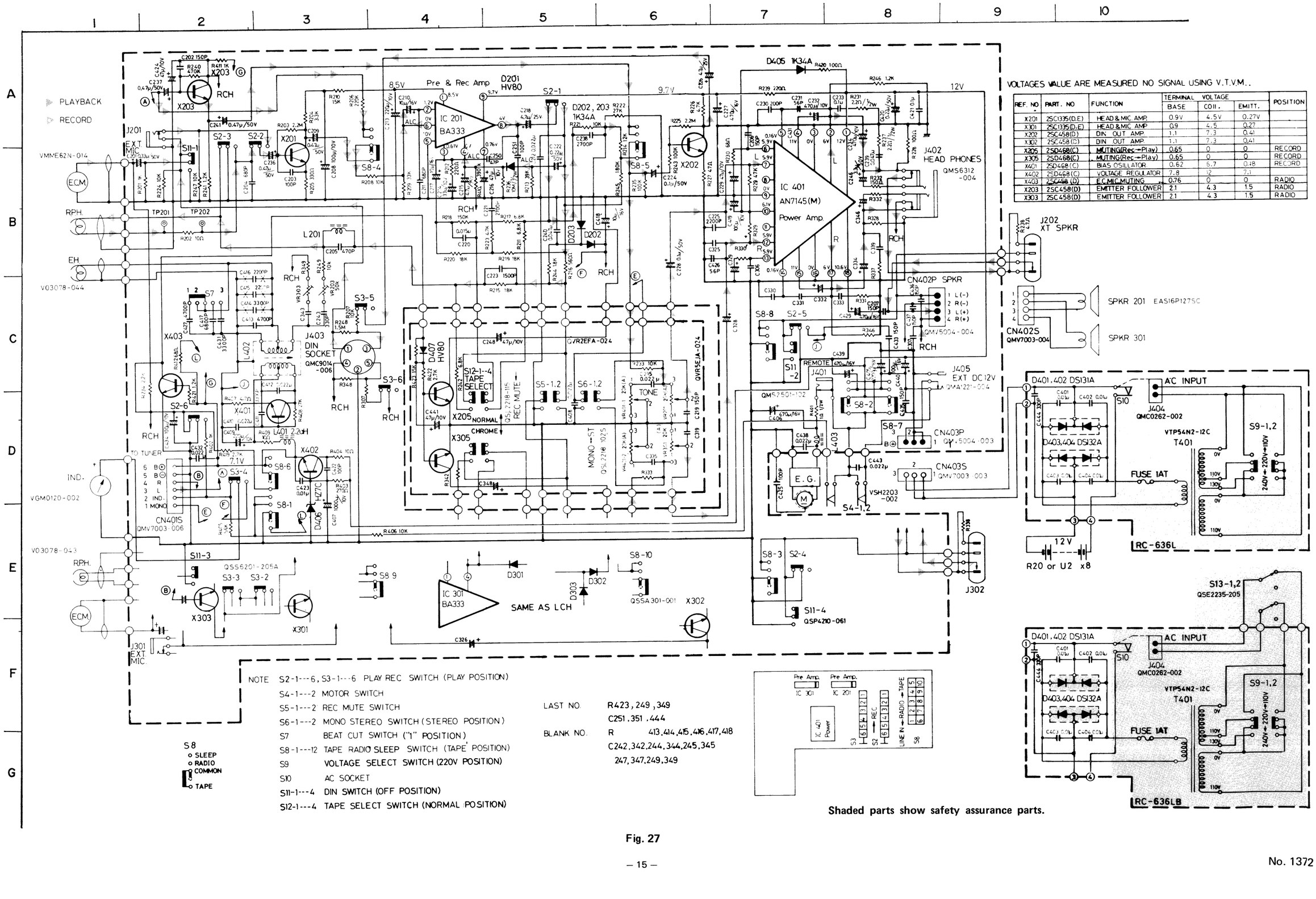


Fig. 26

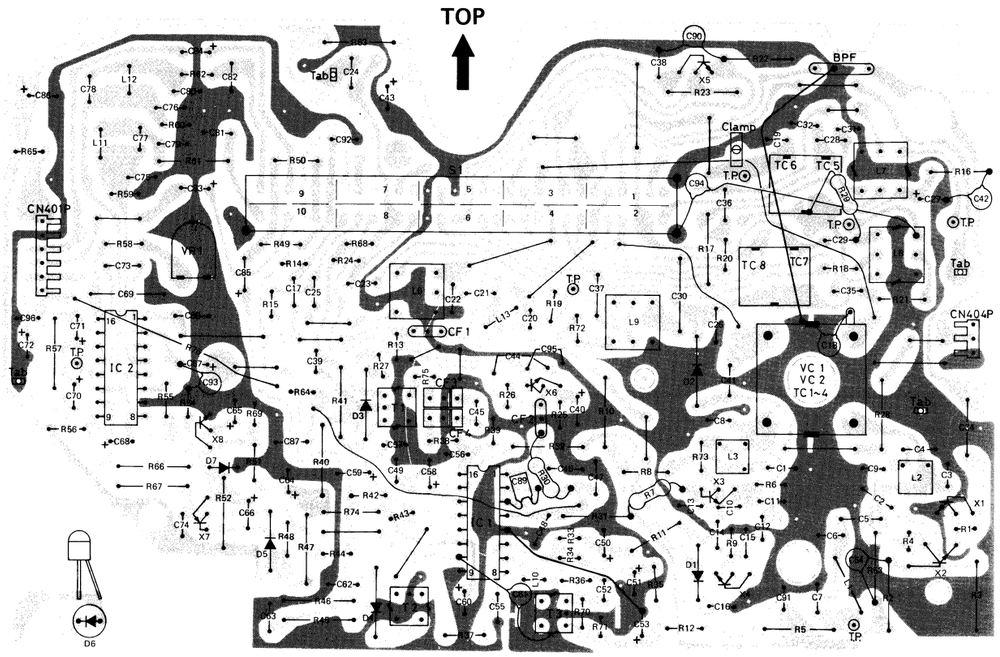
Schematic Diagram of RC-636L/LB (Amplifier)



REF. NO	PART. NO	FUNCTION	TERMINAL VOLTAGE BASE	COll.	EMITT.	POSITION
X201	2SC1335(D,E)	HEAD & MIC AMP.	0.9V	4.5V	0.27V	
X301	2SC1335(D,E)	HEAD & MIC AMP.	0.9	4.5	0.27	
X202	2SC458(D)	DIN OUT AMP.	1.1	7.3	0.41	
X102	2SC458(D)	DIN OUT AMP.	1.1	7.3	0.41	
X205	2SD468(C)	MUTING(Rec→Play)	0.65	0	0	RECORD
X305	2SD468(C)	MUTING(Rec→Play)	0.65	0	0	RECORD
X401	2SD468(C)	BIAS OSILLATOR	0.62	6.7	0.48	RECORD
X402	2SD468(C)	VOLTAGE REGULATOR	7.8	12	7.1	
X403	2SC458 (D)	E.C.MIC.MUTING	0.76	0	0	RADIO
X203	2SC458(D)	EMITTER FOLLOWER	2.1	4.3	1.5	RADIO
X303	2SC458(D)	EMITTER FOLLOWER	2.1	4.3	1.5	RADIO

Fig. 27

Tuner Circuit Board Ass'y



Positive Line Common Line

Fig. 28

Note: The circuit board assembly will not be available as spare part.

Transistors

Ref. No.	Parts No.	Description	Pc	fT
X1,3	2SC1342(B)	Silicon (HITACHI)	0.1W	320MHz
X2,4	2SC461(C)	" (")	0.2W	230MHz
X5,6	2SC460(C)	" (")	"	"
X7	2SA844(E)	" (")	0.3W	200MHz
X8	2SC458(C)	" (")	0.2W	230MHz

ICs & Diodes

Ref. No.	Parts No.	Parts Name	Description
IC1	HA11251	Integrated Circuit	HITACHI
IC2	HA11227	"	"
D1,2	1S2790	Variable Capacitance Diode	"
D3,5,7	HV80	Silicon Diode	"
D4	1N34A	Germanium Diode	"

Resistors

Ref. No.	Parts No.	Parts Name	Description	
R1	QRD143K-563	Carbon	56kΩ	¼W
R2	QRD141K-153	"	15kΩ	"
R3	" -473	"	47kΩ	"
R4	QRD143K-470	"	47Ω	"
R5	QRD141K-472	"	4.7kΩ	"
R6	QRD143K-182	"	1.8kΩ	"
R7	QRD141K-474	"	470kΩ	"
R8	QRD143K-101	"	100Ω	"
R9	" -222	"	2.2kΩ	"
R10,17	QRD141K-471	"	470Ω	"
R11	QRD143K-224	"	220kΩ	"
R12	" -104	"	100kΩ	"
R13,18	" -471	"	470Ω	"
R14	" -334	"	330kΩ	"
R15	" -105	"	1MΩ	"
R16	" -332	"	3.3kΩ	"
R19	" -102	"	1kΩ	"
R20,21	" -220	"	22Ω	"
R22	QRD141K-102	"	1kΩ	"
R23	" -105	"	1MΩ	"
R24	QRD143K-103	"	10kΩ	"
R25	" -561	"	560Ω	"
R26	" -331	"	330Ω	"
R27	" -682	"	6.8kΩ	"
R28	QRD141K-394	"	390kΩ	"
R29,33	QRD143K-104	"	100kΩ	"
R30,31,32	QRD141K-331	"	330Ω	"
R34,37	QRD143K-472	"	4.7kΩ	"
R35	" -223	"	22kΩ	"
R36	" -331	"	330Ω	"
R38	" -102	"	1kΩ	"
R39,44	" -333	"	33kΩ	"
R40	QRD141K-102	"	1kΩ	"
R41,46	" -103	"	10kΩ	"
R42	QRD143K-473	"	47kΩ	"
R43	" -154	"	150kΩ	"
R45	QRD141K-561	"	560Ω	"
R47,53	" -100	"	10Ω	"
R48	QRD143K-392	"	3.9kΩ	"
R49,50	" -103	"	10kΩ	"
R51,56,58	" -223	"	22kΩ	"
R52	QRD141K-273	"	27kΩ	"
R54	QRD143K-820	"	82Ω	"
R55	" -471	"	470Ω	"
R57	QRD141K-102	"	1kΩ	"
R59,60	QRD143K-332	"	3.3kΩ	"
R61	QRD141K-222	"	2.2kΩ	"
R62	QRD143K-222	"	2.2kΩ	"
R63,67	QRD141K-471	"	470Ω	"
R64	QRD143K-101	"	100Ω	"
R65	" -4R7	"	4.7Ω	"
R66	QRD141K-101	"	100Ω	"
R68	QRD143K-103	"	10kΩ	"
R69	" -473	"	47kΩ	"
R70	" -682	"	6.8kΩ	"
R71	" -564	"	560kΩ	"
R72	" -220	"	22Ω	"
R73	" -4R7	"	4.7Ω	"

Ref. No.	Parts No.	Parts Name	Description	
R74	QRD143K-101	Carbon	100Ω	¼W
R75	" -102	"	1kΩ	"
R76	QRD141K-474	"	470kΩ	"
VR1	QVP8A0B-014	Variable (semi-fixed)	10kΩ	B-curve

Capacitors

Ref. No.	Parts No.	Parts Name	Description	
C1	QCF11EZ-104	Ceramic	0.1μF	25V
C2,4,9	" -103	"	0.01μF	"
C3,6	QCS11HK-150	"	15pF	50V
C5	" -5R0	"	5pF	"
C7	QCS11HJ-331	"	330pF	"
C8	QCT05CH-150	"	15pF	"
C10	QCS11HK-7R0	"	7pF	"
C11	" -100	"	10pF	"
C12	" -4R0	"	4pF	"
C13	QCY41HK-102	"	1000pF	"
C14,19	QCS11HK-2R0	"	2pF	"
C15,16	QCF11EZ-223	"	0.022μF	25V
C17,23	QCY41HK-472	"	4700pF	50V
C18	QCS11HJ-270	"	27pF	"
C20	QCS11HK-3R0	"	3pF	"
C21	" -151	"	150pF	"
C22	" -8R0	"	8pF	"
C24,25	QCY41EK-103	"	0.01μF	25V
C26	QFM41HM-473	Mylar	0.047μF	50V
C27	QEW41CA-106	Electrolytic	10μF	16V
C28	QFS41HJ-131	Polystyrol	130pF	50V
C29	QCS11HJ-301	Ceramic	300pF	"
C30	QFS21HJ-332	Polystyrol	3300pF	"
C31	QCT05CH-300	Ceramic	30pF	"
C32	" -200	"	20pF	"
C34	QCS11HK-470	"	47pF	"
C35,36	QCY41HK-472	"	4700pF	"
C37	" -681	"	680pF	"
C38	QCF11EZ-473	"	0.047μF	25V
C39,42,49	" -223	"	0.022μF	"
C40	QEW41HA-105	Electrolytic	1μF	50V
C41	QCS11HK-8R0	Ceramic	8pF	"
C43	QEW41AA-107	Electrolytic	100μF	10V
C44	QCS11HK-101	Ceramic	100pF	50V
C45	" -560	"	56pF	"
C46,47,48	QFM41HM-473	Mylar	0.047μF	"
C50,53	QEW41HA-474	Electrolytic	0.47μF	"
C51,59	QEW41CA-106	"	10μF	16V
C52	QCF11EZ-103	Ceramic	0.01μF	25V
C54	QCY41HK-102	"	1000pF	50V
C55	QCS11HJ-301	"	300pF	"
C56	QCS11HK-151	"	150pF	"
C57	QCF11EZ-223	"	0.022μF	25V
C58	QEW41AA-476	Electrolytic	47μF	10V
C60,64	" -107	"	100μF	"
C61	QCS11HJ-131	Ceramic	130pF	50V
C62	QCY41EK-103	Ceramic	0.01μF	25V
C63	QCY41HK-472	"	4700pF	50V
C65	QEW41EA-475	Electrolytic	4.7μF	25V
C66,67,68,70	QEW41HA-105	"	1μF	50V
C69	QFS21HJ-471	Polystyrol	470pF	"
C71	QEC81HM-334	Solid Al. Electrolytic	0.33μF	"
C72	QEW41AA-107	Electrolytic	100μF	10V
C73	QFM41HM-473	Mylar	0.047μF	50V
C74	QCF11EZ-223	Ceramic	0.022μF	25V
C75,76	QCY41HK-472	"	4700pF	50V
C77,78,79,80	" -152	"	1500pF	"
C81,82	QCY41EK-103	"	0.01μF	25V
C83,84,85	QEW41HA-474	Electrolytic	0.47μF	50V
C86	QEW41AA-108	"	1000μF	10V
C87,88,89	QFM41HM-473	Mylar	0.047μF	50V
C90,93	QCS11HK-101	Ceramic	100pF	"
C91	QCF11EZ-223	"	0.022μF	25V
C92	QCY41HK-222	"	2200pF	50V
C94,95	QCS11HK-150	"	15pF	"
C96	QCF11EZ-473	"	0.047μF	25V
VC1,2	QAP1224-504	Variable	includes TC1~4	
TC5~8	QAT2002-001	Trimmer		

Others

Ref. No.	Parts No.	Parts Name	Description
L1	V03047-026	Coil	FM IF Trap
L2	V03105-030	"	FM RF
L3	" -028	"	FM Osc.
L6	VQR1014-202	"	SW Antenna
L7	VQL1T03-201	"	LW Osc.
L8	VQM1T03-201	"	MW
L9	VQS1T03-205	"	SW
L10	03226-024	Inductor	
L11,12	VQP0002-393	"	MPX
L13	V03047-11	Coil	SW Antenna
B.P.F.	VBP2M3E-001	Band Pass Filter	FM Antenna
CF1,2	V03059-016	Ceramic Filter	FM IF
CF3,4	" -015	"	AM IF
S1	QSSA401-002	Slide Switch	BAND
T1	VQT7A18-101	I.F.T.	AM
T2	VQT7A11-301	"	"
T3	VQT7F12-104	"	FM
CN401P	QMV5005-006	Connector	6-pin
CN404P	" -003	"	3-pin
T.P.	V04041-1	Test Point	
Tab	VKL3143-001	Board in Tab	
Clamp	V44691-001	Wire Clamp	

Amplifier Circuit Board Ass'y

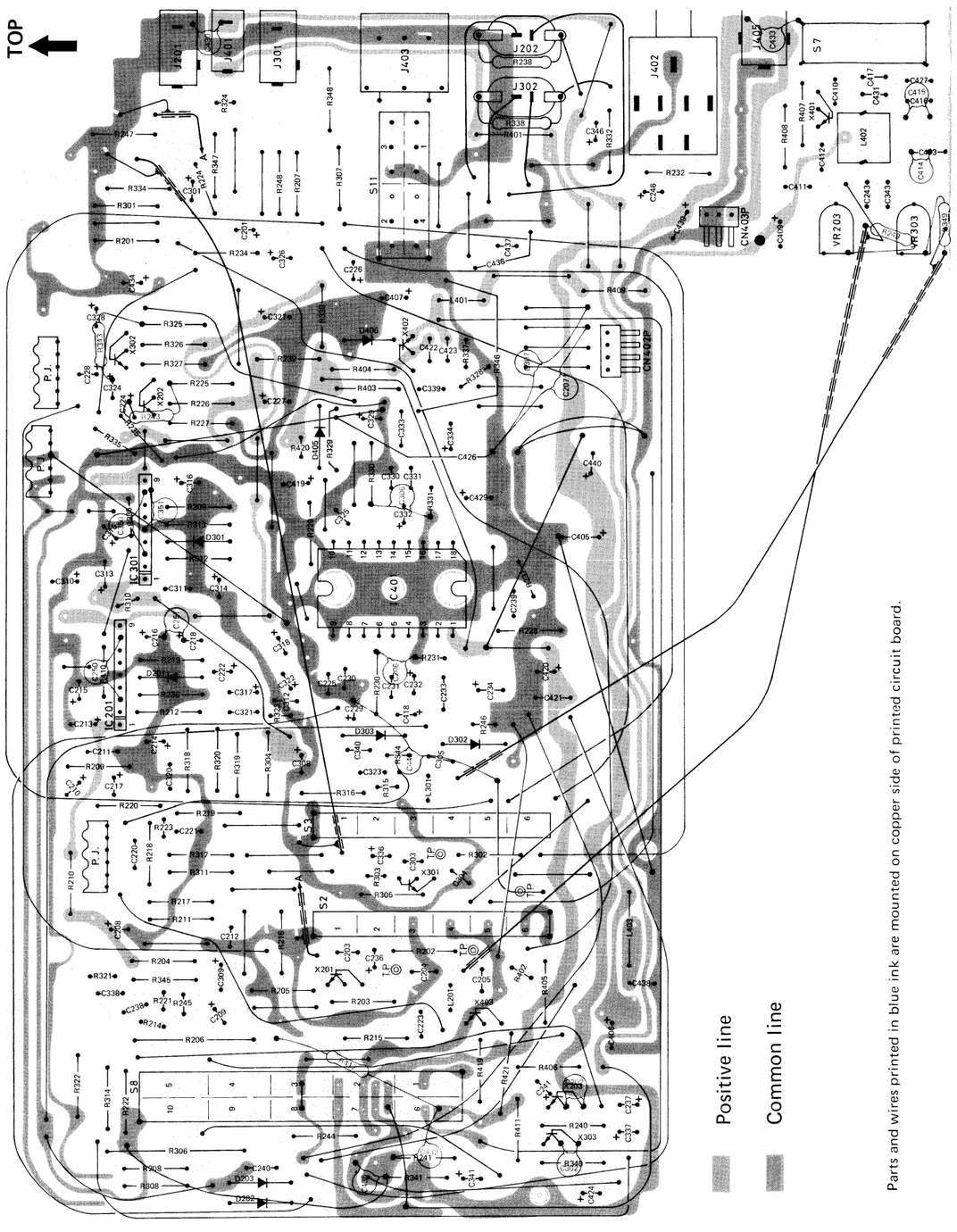


Fig. 29

Note: The circuit board assembly will not be available as spare part.

Parts and wires printed in blue ink are mounted on copper side of printed circuit board.

Transistors

Ref. No.	Parts No.	Description	Pc	fT
X201,301	2SC1335(D,E)	Silicon (HITACHI)	0.2W	230MHz
X202,203,302,303	2SC458(D)	〃 (〃)	〃	〃
X401,402	2SD468(C)	〃 (〃)	0.9W	190MHz
X403	2SC458(D)	〃 (〃)	0.2W	230MHz

ICs & Diodes

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description
IC201,301	*BA333	Integrated Circuit	TOYO DENGU
IC401	*AN7145(M)	〃	MATSUSHITA
D201,301	HV80	Silicon Diode	HITACHI
D202,203,302,303	1K34A	Germanium Diode	UNIZON
D405	1K34A	〃	〃
D406	HZ7(C)	Zener Diode	HITACHI

Resistors

Ref. No.	Parts No.	Parts Name	Description
R201,301	QRD141K-102	Carbon	1kΩ ¼W
R202,302	〃 -100	〃	10Ω 〃
R203	〃 -225	〃	2.2MΩ 〃
R204,304	〃 -332	〃	3.3kΩ 〃
R205,305	〃 -331	〃	330Ω 〃
R206,306	〃 -224	〃	220kΩ 〃
R207,208,307,308	〃 -103	〃	10kΩ 〃
R209,309	〃 -333	〃	33kΩ 〃
R210	〃 -152	〃	1.5kΩ 〃
R211,217,311,317	〃 -682	〃	6.8kΩ 〃
R212,312	〃 -221	〃	220Ω 〃
R213,313	〃 -393	〃	39kΩ 〃
R214	QRD143K-123	〃	12kΩ 〃
R215	QRD141K-183	〃	18kΩ 〃
R216,316	〃 -561	〃	560Ω 〃
R218,318	〃 -154	〃	150kΩ 〃
R219,220,319,320	〃 -183	〃	18kΩ 〃
R221,224,321,324	QRD143K-103	〃	10kΩ 〃
R222,322	QRD141K-273	〃	27kΩ 〃
R223,323	QRD143K-472	〃	4.7kΩ 〃
R225,325	QRD141K-225	〃	2.2MΩ 〃
R226,326	〃 -472	〃	4.7kΩ 〃
R227,327	〃 -470	〃	47Ω 〃
R228	〃 -101	〃	100Ω 〃
R229,329	〃 -473	〃	47kΩ 〃
R230,330	〃 -680	〃	68Ω 〃
R231,237,331,337	QRW123K-2R2	Wire Wound	2.2Ω ½W
R232,332	QRD141K-151	Carbon	150Ω ¼W
R234,334	〃 -222	〃	2.2kΩ 〃
R235,335	QRD143K-104	〃	100kΩ 〃
R236,336	QRD121J-106	〃	10MΩ ½W
R238,338	〃 -4R7	〃	4.7Ω 〃
R239,339	QRD141K-221	〃	220Ω ¼W
R240,340	〃 -474	〃	470kΩ 〃
R241,341	〃 -122	〃	1.2kΩ 〃
R243,343	QRD143K-104	〃	100kΩ 〃
R244	QRD141K-182	〃	1.8kΩ 〃
R245	QRD143K-184	〃	180kΩ 〃
R246	〃 -122	〃	1.2kΩ 〃
R247,347	QRD141K-103	〃	10kΩ 〃

Ref. No.	Parts No.	Parts Name	Description	
R248,348	QRD141K-155	Carbon	1.5MΩ	¼W
R249,349	QRD143K-103	"	10kΩ	"
R303	" -225	"	2.2MΩ	"
R310	" -152	"	1.5kΩ	"
R314	QRD141K-123	"	12kΩ	"
R315	QRD143K-183	"	18kΩ	"
R328	" -101	"	100Ω	"
R344	" -182	"	1.8kΩ	"
R345	QRD141K-184	"	180kΩ	"
R346	" -122	"	1.2kΩ	"
R401	QRD121J-1R0	"	1Ω	½W
R402	QRD143K-102	"	1kΩ	¼W
R403	QRD141K-271	"	270Ω	"
R404,409	" -100	"	10Ω	"
R405	" -563	"	56kΩ	"
R406	" -103	"	10kΩ	"
R407	" -4R7	"	4.7Ω	"
R408	" -273	"	27kΩ	"
R410	QRD143K-394	"	390kΩ	"
R411	QRD141K-102	"	1kΩ	"
R412	" -680	"	68Ω	"
R419	" -272	"	2.7kΩ	"
R420	QRD143K-101	"	100Ω	"
R421	QRD141K-122	"	1.2kΩ	"
VR203,303	QVP8A0B-054	Variable (semi-fixed)	50kΩ	B-curve

Capacitors

Ref. No.	Parts No.	Parts Name	Description	
C201,301	QEW41HA-474	Electrolytic	0.47μF	50V
C202,302	QCS11HK-151	Ceramic	150pF	"
C203,303	" -101	"	100pF	"
C204,304	QCY41HK-681	"	680pF	"
C205,305	QCS11HJ-471	"	470pF	"
C206,207,306,307	QCS11HK-151	"	150pF	"
C208,308	QEW41AA-107	Electrolytic	100μF	10V
C209,309	QEW41HA-474	"	0.47μF	50V
C210,310	" -335	"	3.3μF	"
C211,311	QCY41HK-681	Ceramic	680pF	"
C212,312	QFM41HK-223	Mylar	0.022μF	"
C213,313	QEW41AA-227D09	Electrolytic	220μF	10V
C214,314	" -336	"	33μF	"
C215,218,315,318	QEW41EA-475	"	4.7μF	25V
C216,316	QEW41AA-476	"	47μF	10V
C217,317	QEW41CA-106	"	10μF	16V
C220,320	QFM41HK-153	Mylar	0.015μF	50V
C221,321	QCY41HK-272	Ceramic	2700pF	"
C222,322	QEC41HM-224	Solid Al Electrolytic	0.22μF	"
C223,323	QCY41HK-152	Ceramic	1500pF	"
C224,324	QEC41HM-104	Solid Al Electrolytic	0.1μF	"
C225,325	QCY41HK-222	Ceramic	2200pF	"
C226,326	QEW41EA-475	Electrolytic	4.7μF	25V
C227,327	QEW41CA-477	"	470μF	16V
C228,328	QEW41HA-474	"	0.47μF	50V
C229,329	QEW41AA-476	"	47μF	10V
C230,330	QCS11HK-201	Ceramic	200pF	50V
C231,331	" -560	"	56pF	"
C232,332	QEW41AA-477D11	Electrolytic	470μF	10V
C233,333	QFM41HM-104	Mylar	0.1μF	50V
C234,334	QEW41AA-477	Electrolytic	470μF	10V
C236,237,336,337	QEW41HA-474	Electrolytic	0.47μF	50V
C238,338	QCY41HK-272	Ceramic	2700pF	"
C239,240,339,340	QCF11EZ-473	"	0.047μF	25V
C241,341	QEW41HA-474	Electrolytic	0.47μF	50V
C243,343	QCS11HK-331	Ceramic	330pF	"
C246,346	QEW41HA-335	Electrolytic	3.3μF	"
C250,350	QCS11HK-470	Ceramic	47pF	"
C251,351	" -101	"	100pF	"
C405	QEW41CA-228	Electrolytic	2200μF	16V
C406	" -477	"	470μF	"
C407	QEW41AA-108	"	1000μF	10V
C409	" -227	"	220μF	"
C410,412	QFM41HK-223	Mylar	0.022μF	50V
C411,414	QCY41HK-332	Ceramic	3300pF	"
C413	" -472	"	4700pF	"
C415,416	" -222	"	2200pF	"
C417	" -682	"	6800pF	"
C418	QEW41CA-106	Electrolytic	10μF	16V
C419	QEW41AA-107	"	100μF	10V
C420	QEC41HM-224	Solid Al Electrolytic	0.22μF	50V
C421	QFM41HM-104	Mylar	0.1μF	"
C422	QCS11HK-101	Ceramic	100pF	"
C423	QCF11EZ-103	"	0.01μF	25V
C424	QEW41AA-476	Electrolytic	47μF	10V
C426	QCS11HK-560	Ceramic	56pF	50V
C427	QCY41HK-472	"	4700pF	"
C429	QEW41CA-477	Electrolytic	470μF	16V
C430,433	QCS11HK-151	Ceramic	150pF	50V
C431	QCY41HK-332	"	3300pF	"
C432	QCF11EZ-223	"	0.022μF	25V
C434	QEW41AA-107	Electrolytic	100μF	10V
C435,436,437	QCS11HK-151	Ceramic	150pF	50V
C438	QFM41HK-223	Mylar	0.022μF	"
C439	QEW41CA-477	Electrolytic	470μF	16V
C440	" -107	"	100μF	"
C442	QCS11HK-151	Ceramic	150pF	50V

Others

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description
L201,301	*VQP0002-103	Inductor	
L401	03226-2K	"	
L402	V03083-019	Coil	Bias Osc.
L403	T41572-001	Inductor	
S2,3	QSS6201-205A	Slide Switch	Record – Playback
S7	*QSS1301-001	"	BEAT CUT
S8	QSSA301-001A	"	FUNCTION
S11	QSP4210-061	Push Switch	DIN
CN402P	*QMV5004-004	Connector	4-pin
CN403P	*QMV5004-003	"	3-pin
J201,301	*QMS3501-014	Jack Ass'y	MIC
J202,302	*VMJ4001-001	Jack Board Ass'y	EXT SPEAKER
J401	*QMS2501-102	"	REMOTE
J402	*QMS6312-004	"	HEADPHONE
J403	QMC9014-006	DIN Socket	
J405	*QMA1221-004	Jack Ass'y	DC 12V
T.P.	A74138-2	Test Pin	
P.J.	*V45043-005	PC Joiner	
	*VYH4252-001	Switch Connector	for S2,3

Exploded View of Cassette Mechanism

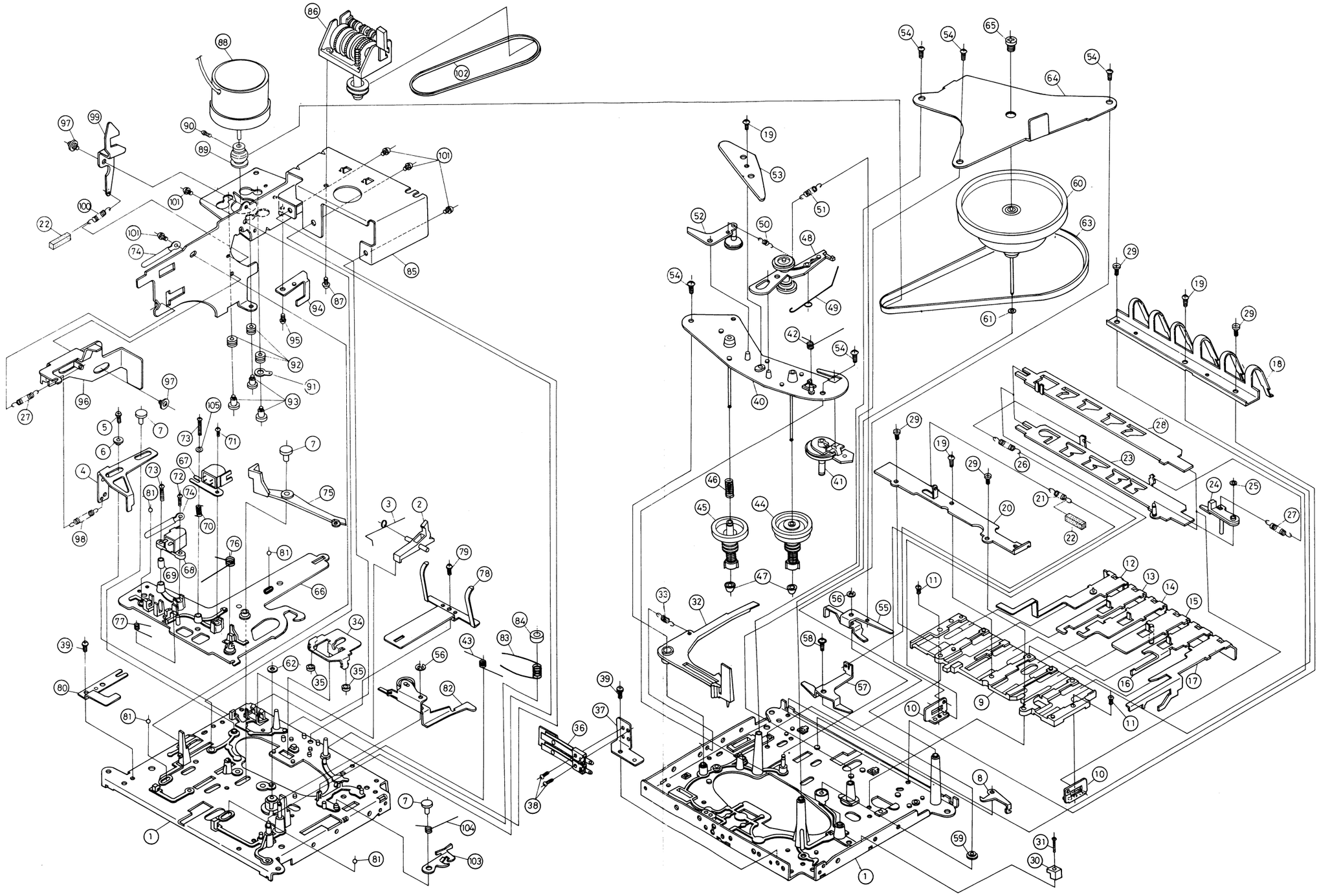


Fig. 30

List of Cassette Mechanism

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*TGC357101-0E	Chassis Base Ass'y		1
2	TEP357406-01	Record Safety Lever		1
3	TFW357471-01	Record Safety Lever Spring		1
4	TFB357408-03	Record Push Bar		1
5	LPSP2606Z	Ass'y Screw		1
6	VKH3001-002	Flange Collar		1
7	TEP357469-02	Stopper		3
8	VKL4151-001	Record Lock Lever		1
9	TEP357103-01	Push Bar Case		1
10	VKL4311-001	Cam Guide Bracket		2
11	SPSP2604Z	Screw		2
12	*VKL4171-00A	Stop Eject Bar Ass'y		1
13	VKL4307-001	Rewind Bar		1
14	VKL4309-001	Record Bar		1
15	TGB357413-0D	Play Bar Ass'y		1
16	VKL4310-001	FF. Bar		1
17	VKL4121-001	Pause Bar		1
18	*VKY3101-001	Button Spring		1
19	SBSB2606Z	Tap. Screw		2
20	TFB357418-02	Push Bar Plate		1
21	T30300-211	Tension Spring		1
22	TJN265559-04	Silencer		2
23	*TGB357302-0J	Push Cam (1) Ass'y		1
24	TEP357420-02	Auto-stop Kick Lever		1
25	TEP357421-01	Special Washer		1
26	T30300-140	Tension Spring	for Cam (1)	1
27	T30300-203	Tension Spring	for Kick Lever	2
28	VKL3148-001	Push Bar Cam (2)		1
29	SDSP2608Z	Screw		4
30	TEP361406-01	Pause Bar Guide		1
31	SPSP2008Z	Screw		1
32	*TEP357422-05	Brake Lever		1
33	T30300-204	Tension Spring	for Brake Lever	1
34	VKL4248-001	Brake Bar		1
35	TER313493-01	Brake Rubber		2
36	*VSH2203-002	Leaf Switch	2SA-3AV	1
37	*VKL4265-001	Switch Bracket		1
38	SDBP2006B	Screw		2
39	LPSP2604Z	Ass'y Screw		2
40	TGB357305-0A	Reel Disk Bracket Ass'y		1
41	TGP357425-0D	Take-up Bar Ass'y		1
42	TFW357430-02	Take-up Bar Spring		1
43	TFW357470-02	Take-up Spring		1
44	TGP357431-0D	Reel Disk Ass'y	Take-up	1
45	*TGP357431-0E	Reel Disk Ass'y	Supply	1
46	VKW3001-011	Compression Spring	for Back Tension	1
47	TEP357437-02	Reel Stopper		2
48	TGB357438-0A	FF. Arm Ass'y		1
49	TFW357446-01	FF. Arm Spring		1
50	T30300-205	Tension Spring		1
51	VKW3002-001	Tension Spring		1
52	TGB357447-0A	Rewind Idler Arm Ass'y		1
53	VKL4312-001	Arm Stopper		1
54	SBSB2608Z	Tap. Screw		5
55	TFB357452-02	Rewind Lever		1
56	REE2500	E-Ring		2
57	TFB357453-01	FF. Lever		1
58	GPSA2608Z	W. Tap. Screw		1
59	VKH4013-001	Collar		1
60	*VKF3104-00A	Flywheel Capstan Ass'y		1
61	Q03093-611	Washer	for Thrust	1
62	Q03093-522	Washer	for Oil Cut	1
63	*VKB3001-005H	Belt	Capstan	1
64	*VKL4266-002	Flywheel Bracket		1
65	TEP357456-01	Thrust Screw		1
66	TGB357202-0D	Head Base Ass'y		1
67	V03078-043	R/P Head		1
68	V03078-044	Erase Head		1
69	VKH4120-001	Erase Head Collar		1
70	T30301-148	Compression Spring	for R/P Head	1
71	SPSB2006Z	Tap. Screw		1
72	SPSB2008Z	Tap. Screw		1
73	SPSX2012Z	Screw		2
74	VKZ4001-007	Wire Clamp		2
75	TEP357458-01	Auto-stop Lever		1
76	TFW357467-03	Head Base Spring		1
77	TFW361408-01	Record Lock Lever Spring		1
78	*VKY4127-001	Pack Spring		1
79	SPSP2604Z	Screw		1
80	TFP357460-03	Head Base Spring Plate		1
81	T41615-004	Steel Ball		4
82	TGB361409-0B	Pinch Roller Arm		1
83	TFW357463-02	Pinch Roller Spring		1
84	VKH3000-005	Collar		1
85	*VKL3136-001	M.C. Bracket		1
86	VKC5103-001S	Tape Counter		1
87	LPSP3006ZS	Ass'y Screw		1
88	*MHi5F2CY	Motor		1
89	*VKH4163-001	Motor Pulley		1
90	YRS2603B	Screw		1
91	*VYH4008-002	Terminal Lug		1
92	TER357465-02	Cushion Rubber		3
93	*VKZ4109-001	Motor Screw		3
94	VKL4269-001	Stopper		1
95	SPSD2605Z	TH. Tap. Screw		1
96	*VKL4267-001	Record Slide Bar		1
97	*VKZ4002-001	Flange Screw		2
98	VKW3000-010	Tension Spring		1
99	*VKL4268-001	Eject Lock Lever		1
100	VKW3000-004	Tension Spring	for Eject Slide Bar	1
101	LPSP2605Z	Ass'y Screw		5
102	VKB3000-001H	Belt	Counter	1
103	VKL4228-001	Pause Lock Cam		1
104	VKW4127-001	Pause Lock Cam Spring		1
105	WNB2000N	Washer		1

Note: The whole assembly of cassette mechanism will not be available as spare part.

Control Circuit Board Ass'y

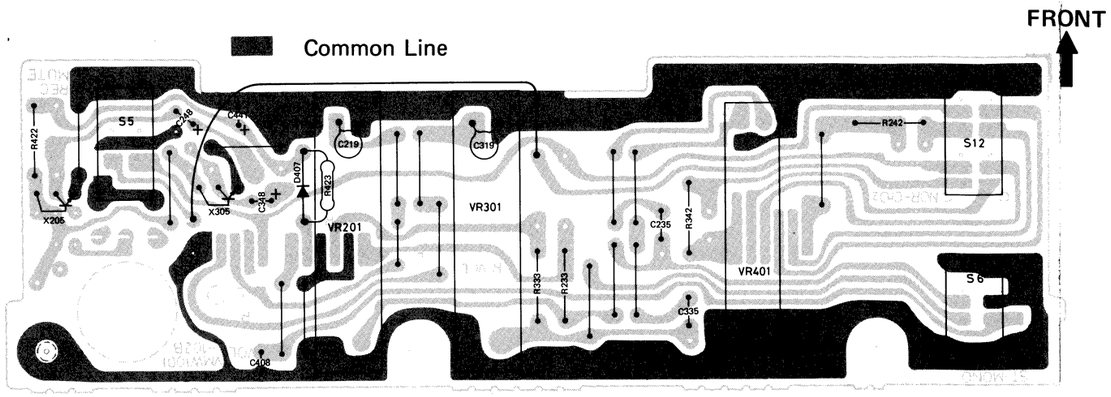


Fig. 31

Note: The circuit board assembly will not be available as spare part.

Transistors

Ref. No.	Parts No.	Description	Pc	fT
X205,305	2SD468(C)	Silicon (HITACHI)	0.9W	190MHz

Diode

Ref. No.	Parts No.	Parts Name	Description
D407	HV80	Silicon	HITACHI

Resistors

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description
R233,333	QRD141K-103	Carbon	10kΩ ¼W
R242,342	" -473	"	47kΩ "
R422	" -272	"	2.7kΩ "
R423	" -153	"	15kΩ "
VR201,301	*QVR5EJA-024	Variable (Slide)	20kΩ,A-curve VOLUME
VR401	*QVR2EFA-024	" (")	" " TONE

Capacitors

Ref. No.	Parts No.	Parts Name	Description
C219,319	QCS11HK-151	Ceramic	150pF 50V
C235,335	QFM41HK-223	Mylar	0.022μF "
C248,348,441	QEW41AA-476	Electrolytic	47μF 10V
C408	QCF11EZ-223	Ceramic	0.022μF 25V

Others

Ref. No.	Parts No.	Parts Name	Description
S5	QSL2218-115	Lever Switch	REC MUTING
S6	" -102S	"	MODE
S12	QSL4218-001S	"	TAPE

Power Supply Circuit Board Ass'y (RC-636L)

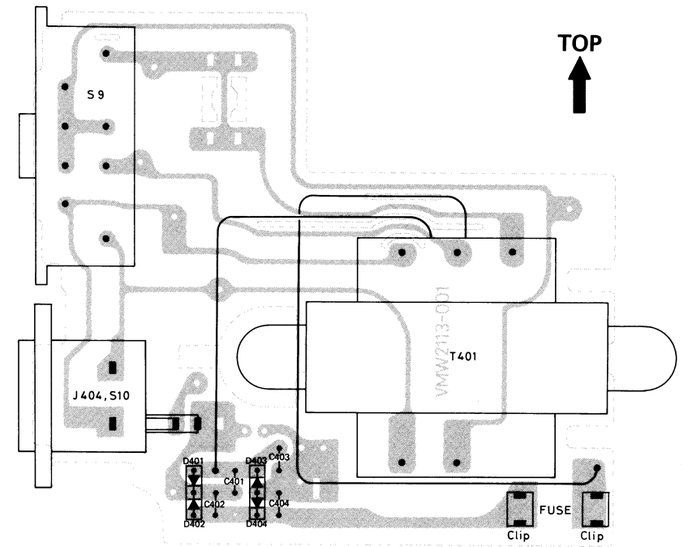


Fig. 32

Note: The circuit board assembly will not be available as spare part.

Diodes

Ref. No.	Parts No.	Parts Name	Description
D401,402	DS131A	Silicon (SANYO)	⚠Rectifier Stack
D403,404	DS132A	" (")	⚠ "

Capacitors

Ref. No.	Parts No.	Parts Name	Description
C401~404	QCF11EZ-103	Ceramic	0.01μF 25V
C444	QCS11HK-331	"	330pF 50V

Others

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description
J404,S10	QMC0263-002	AC Socket Ass'y	⚠
S11	QSS2325-101	Slide Switch	⚠
T401	*VTP54N2-12C	Power Transformer	⚠
FUSE	QMF51A2-1R0	Fuse	⚠ 1AT
Clip	A44594-001	Fuse Clip	

Note: The parts marked ⚠ are the important parts for safety assurance.
Use the specified part, when replacing the safety assurance part, never use an equivalent one.

Exploded View of Chassis Ass'y (1)

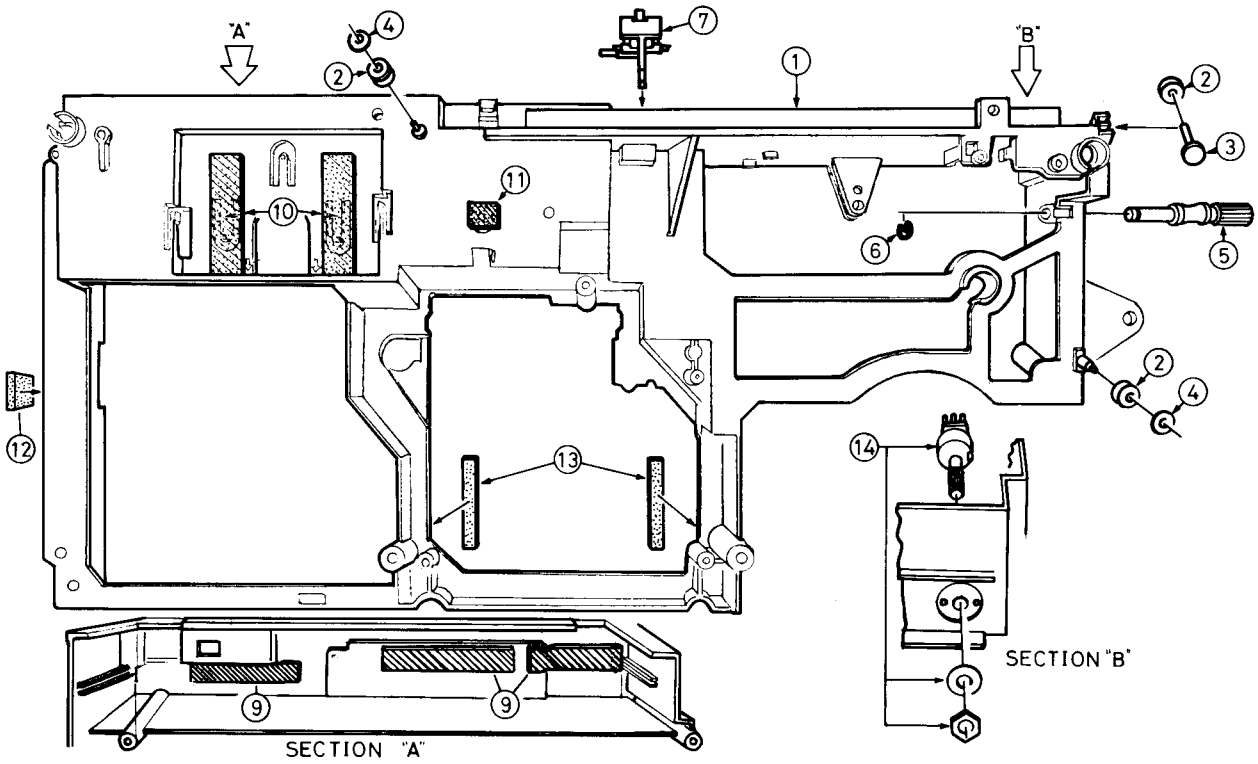


Fig. 33

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VYH1107-001	Chassis		1
2	VYH4002-001	Roller		3
3	RTA4008	Rivet		1
4	V42562-1	Special Washer		2
5	V41336-020	Tuning Shaft		1
6	REE3000	E-Ring		1
7	*VXQ3011-001	Toggle Lever	FUNCTION	1
8			Blank No.	
9	VYSH103-016	Spacer	Glued	3
10	" -016	"	"	2
11	" -017	"	"	1
12	" -018	"	"	1
13	VYSH106-023	"	"	2
14			Blank No.	
15	QVF1A2B-015V	Variable Resistor	VR2 (100kΩ, B-curve)	1

Exploded View of Chassis Ass'y (2)

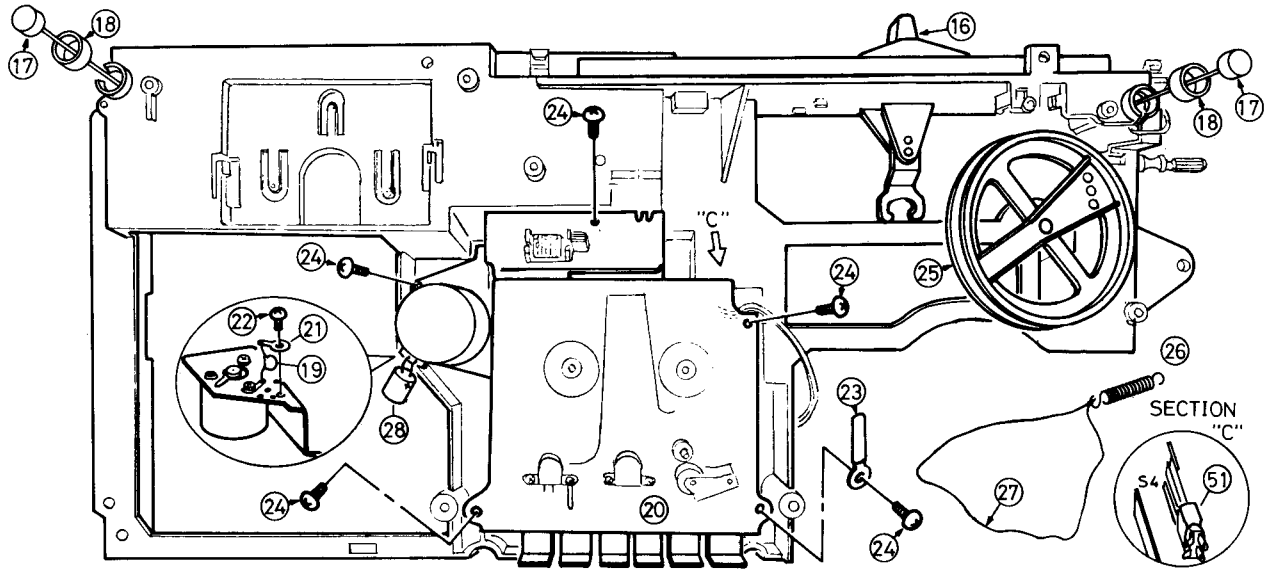


Fig. 34

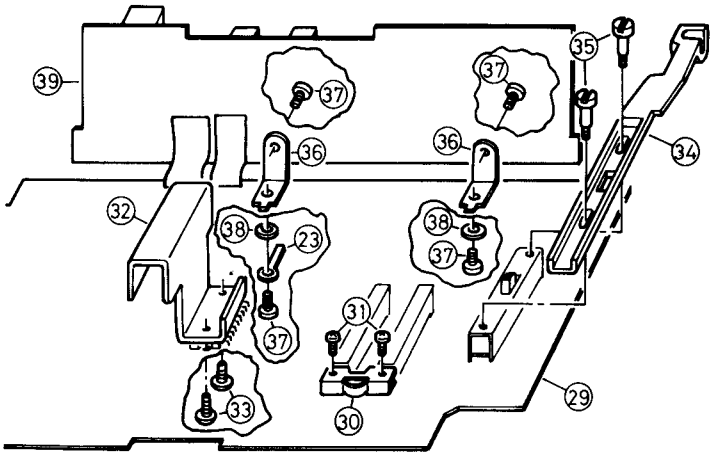


Fig. 35

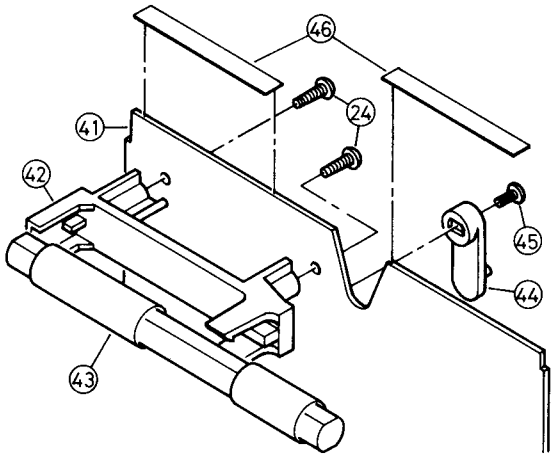


Fig. 36

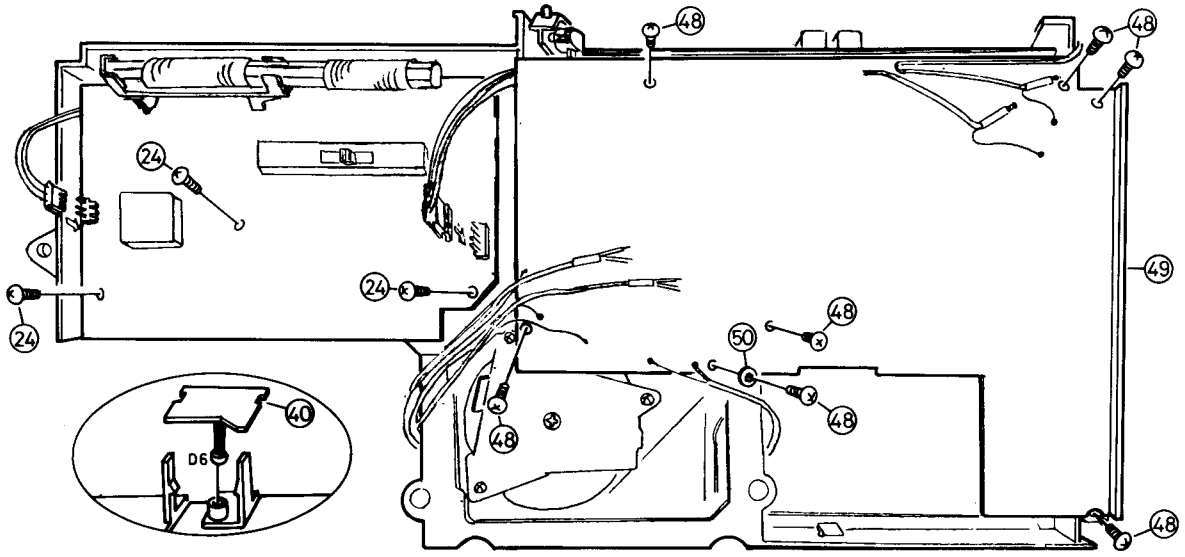


Fig. 37

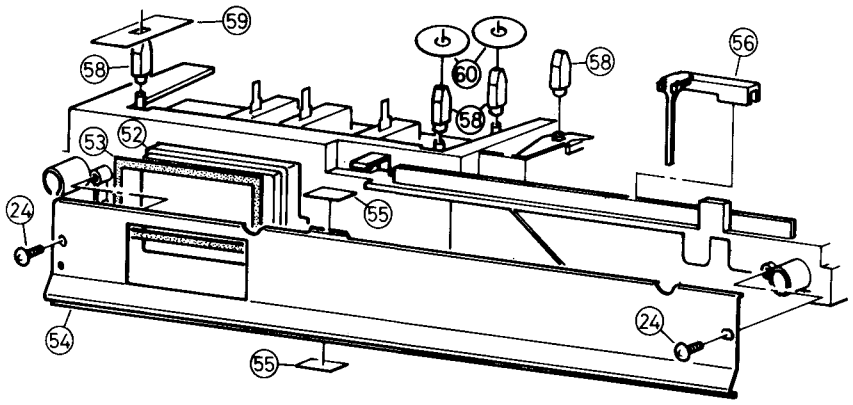


Fig. 38

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
16	*VXQ3010-002	Toggle Lever	BAND SELECT	1
17	VMME62N-014	Condenser Microphone		2
18	VYH4102-001	Microphone Bushing		2
19	QCS11HK-101	Ceramic Capacitor	C425 (100pF, 50V)	1
20	* ————	Cassette Mechanism		1
21	50242-2	Terminal Lug		1
22	SBSB2606Z	Screw		1
23	VKZ4001-007	Wire Holder		2
24	SBSB3010Z	Screw		12
25	*VYH4203-002	Dial Drum		1
26	50153-3	Spring		1
27	VHR2TK9-05AT	Dial Cord		1
28	QEW41CA-477	Electrolytic Capacitor	C428 (470μF, 16V)	1
29	* ————	Circuit Board Ass'y	Amplifier	1
30	VYH4252-001	Switch Connector		1
31	SPSP2006Z	Screw		2
32	*VYH4204-001	Radiation Plate	Heat Sink	1
33	SBSB3014Z	Screw		2
34	*VYH3114-001	Slider		1
35	V42583-2	Special Screw		2
36	*VYH4190-002	Bracket		2
37	SPSP3008ZS	Screw		4
38	Q03095-206	Washer		2
39	* ————	Circuit Board Ass'y	Control	1
40	* ————	〃	LED	1
41	* ————	〃	Tuner	1
42	*VYH3117-001	Bar Antenna Holder		1
43	VQB012B-006	Bar Antenna Ass'y	L4,5 (MW & LW)	1
44	*VYH4135-003	Arm		1
45	SDSP2606Z	Screw		1
46	VYSA1R4-050	Spacer	Glued	2
47	Q03095-206	Washer		1
48	SBSB3014Z	Screw		7
49	VMJ4001-001	Jack Board	J202,302	1
50	WAS3000	Toothed Lock Washer		1
51	QFM41HM-223	Mylar Capacitor	C443 (0.022μF, 50V)	1
52	*VGM0120-002	Indicator		1
53	VYH4205-001	Indicator Rubber		1
54	*VJK2109-003	Dial Scale		1
55	VYSA1R6-036	Spacer	Glued	2
56	*VJN4012-00A	Needle Ass'y		1
57			Blank No.	
58	VXQ4001-001	Knob		4
59	V45041-001	Blind		1
60	VYTR406-001	〃		2

Exploded View of Front Cabinet

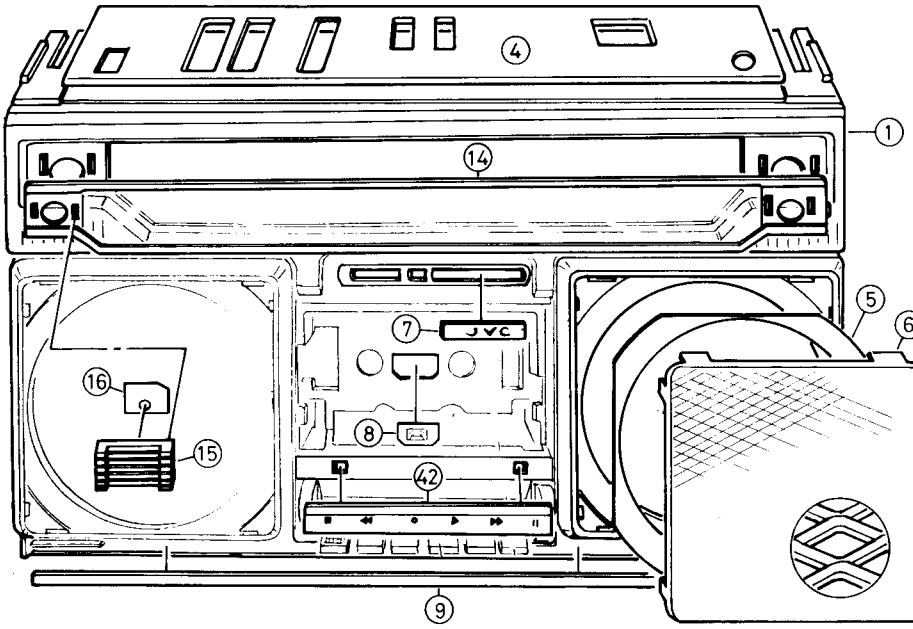


Fig. 39

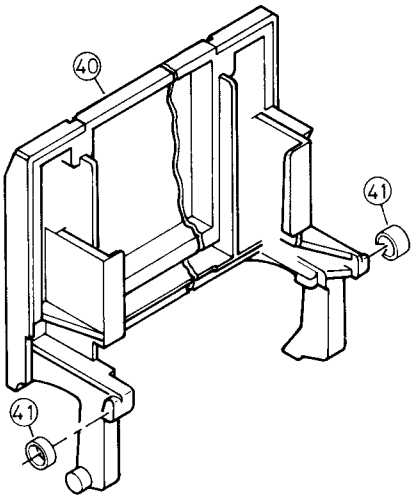


Fig. 40

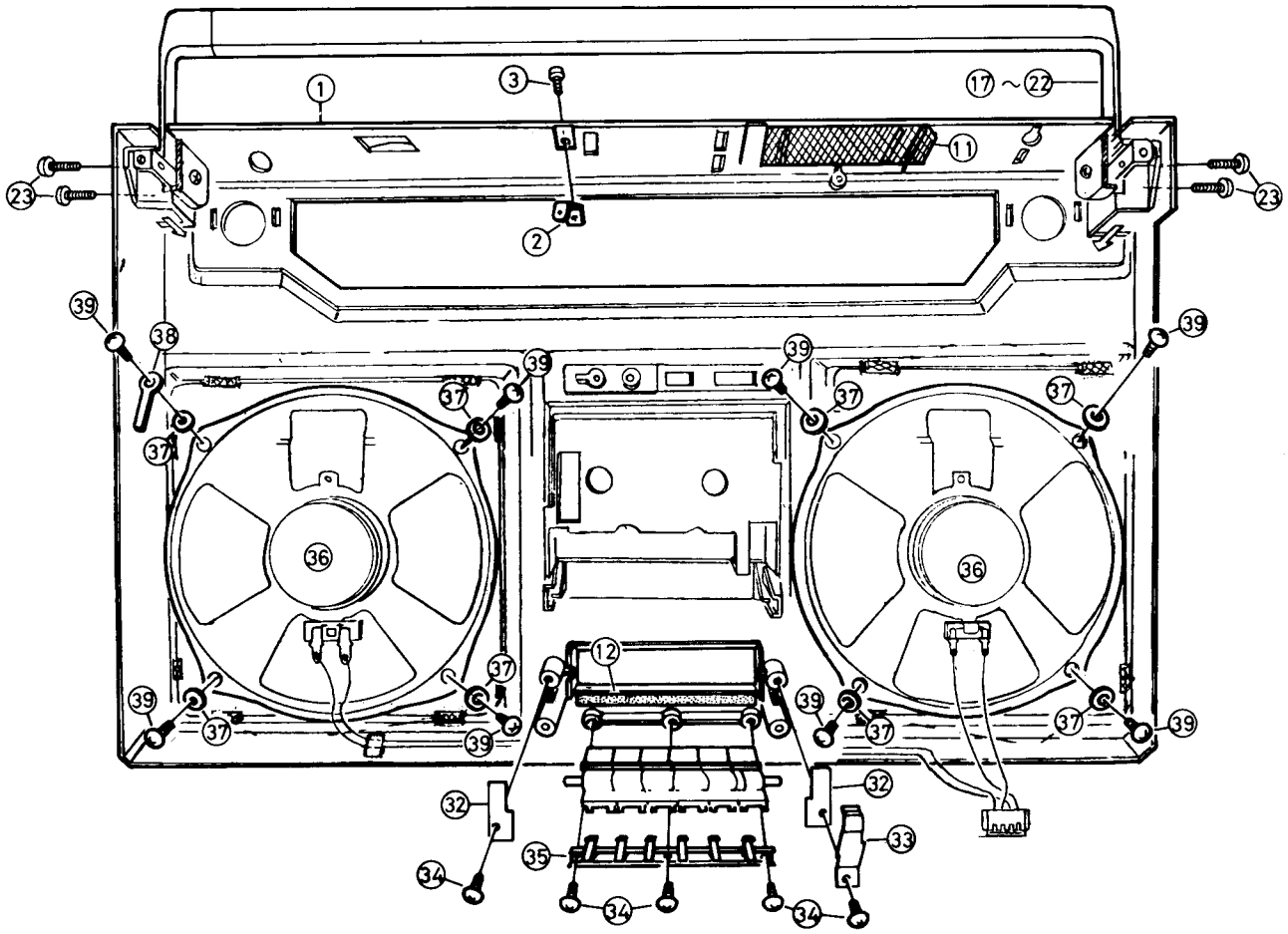


Fig. 41

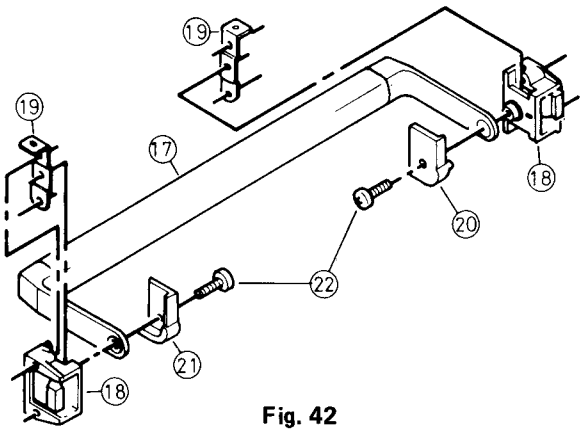


Fig. 42

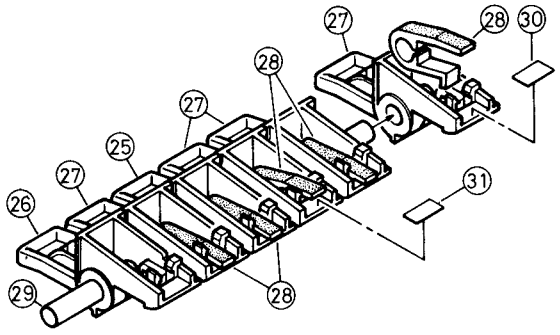


Fig 43

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1~14	*ZCRC636L-CBF	Front Cabinet Ass'y		1
1	*VJC1031-001	Front Cabinet		1
2	V44946-001	Bracket		1
3	SPSP3008ZS	Screw		1
4	*VJD2117-007	Control Panel	Glued	1
5	*VJD4161-001	Grill Plate	"	2
6	*VJD3116-002	Grill Metal	Mesh	2
7	QXM2251-001	Mark	Glued	1
8	V44957-001	Reflection Plate		1
9	*VJD4159-001	Lower Fitting		1
10			Blank No.	
11	*VYTA413-001	Blind Sheet	Glued	1
12	VYSH102-013	Spacer		1
13			Blank No.	
14	*VJK2108-002	Dial Lens	Glued	1
15	*VJD3117-001	Microphone Frame	Inserted	2
16	*VYH4211-001	Microphone Rubber	Glued on Frame	2
17	*V44348-00J	Handle		1
18	*V31131-002	Handle Supporter		2
19	V44883-001	Bracket		2
20	V44943-001	Washer (L)		1
21	V44944-001	" (R)		1
22	SPSP3014ZS	Screw		2
23	SDSP3018RS	"		4
24			Blank No.	
25	*VXQ3007-001	Lever Knob	RECORD	1
26	*VXQ3007-002	"	STOP/EJECT	1
27	*VXQ3007-003	"		4
28	*VKS4123-001	Spring		5
29	*VYH4116-002	Shaft		1
30	VYSH102-016	Spacer	Glued on PAUSE Knob	1
31	VYSA1R6-038	"	Glued on PLAY Knob	1
32	*VYH4201-001	Holder		2
33	*VKY4133-001	Door Spring		1
34	SBSB3010Z	Screw		5
35	*VYH4202-001	Spring		1
36	*EAS16P127SC	Speaker	16cm(6-1/2"), 4Ω	2
37	Q03091-105	Washer		8
38	VKZ4001-006	Wire Holder		3
39	SBSB3010Z	Screw		8
40	*VJT3019-00A	Cassette Door		1
41	VYH4275-001	Rubber Ring		2
42	*VJD3118-002	Head Cover		1

Exploded View of Rear Cabinet (RC-636L)

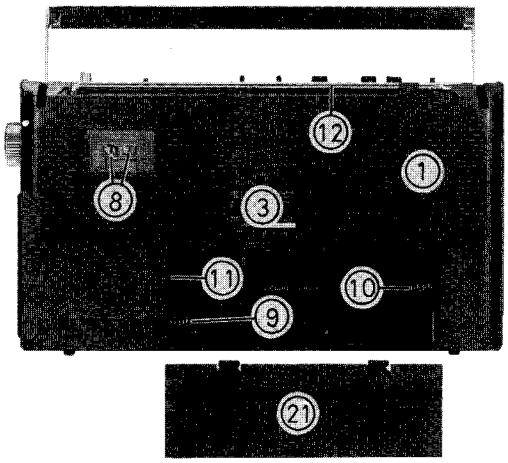


Fig. 44

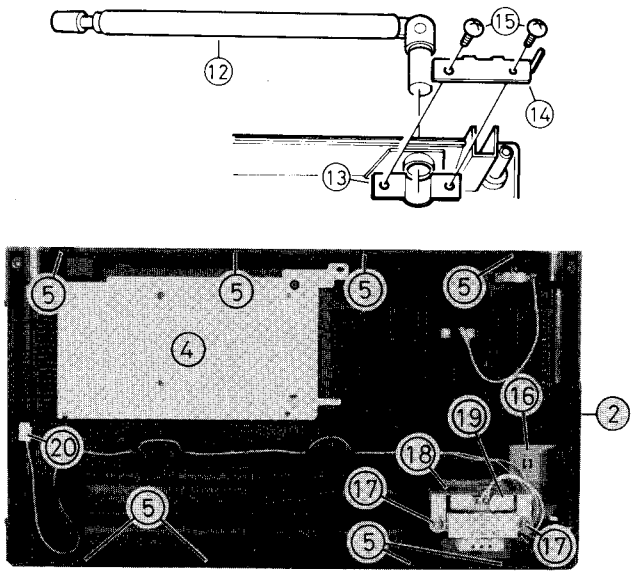


Fig. 45

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1~5	*ZCRC636L-CBR	Rear Cabinet Ass'y		1
1	*VJC1032-001	Rear Cabinet		1
2	*VJD4003-002	Plate	Glued	1
3	*VYN5043-003C	Name Plate	〃	1
4	*VYH3115-001	Shield Plate	Heat-caulked	1
5	VYSA1R6-021	Spacer	Glued	8
6			Blank No.	
7				
8	V44814-00B	Terminal Ass'y		2
9	53738-1	Spring		1
10	*VYH4011-001	〃		1
11	*VYH4010-001	Contact		1
12	*QZR4333-001	Rod Antenna		1
13	V44195-002	Rod Antenna Holder (A)		1
14	VYH4189-001	〃 (B)		1
15	SBSB3010Z	Screw		2
16	* ————	Circuit Board Ass'y	Power Supply	1
17	SBSB4020C	Screw		2
18	VYSH106-025	Spacer		1
19	*VYH4254-003	Shield		1
20	*VDM5043-002-003	Connector & Wire Ass'y	CN403S	1
21	*ZCRC636-BCA	Battery Cover Ass'y		1

Final Packing Ass'y (RC-636L)

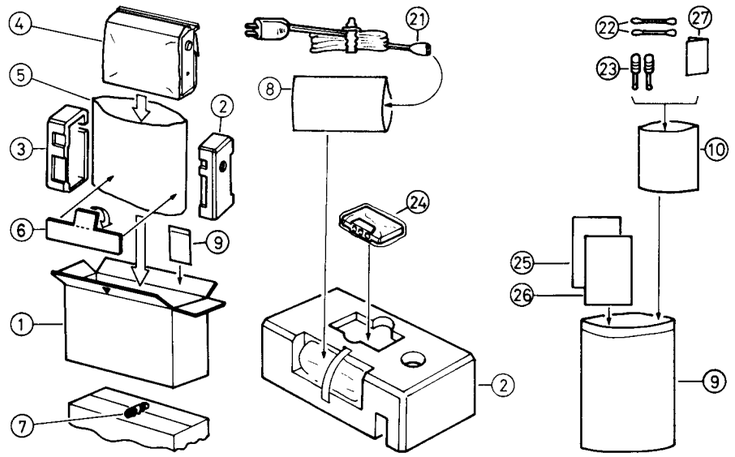


Fig. 46

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VPD5043-J03	Carton Box		1
2	*VPH1130-001	Side Cushion (R)		1
3	*VPH1132-001	" (L)		1
4	VHPJ109-039	Wrapping Paper		1
5	QPGA065-05005	Polyethylen Bag		1
6	*VPH4101-001	Protector	for Cassette Door	1
7	QPSC100-001	Curl Stopper		1
8	QPGA012-02505	Polyethylen Bag	for Power Cord	1
9	QPGB024-03404	"	for Accessories	1
10	QPGA012-01505	"	for Head Cleaning Stick	1

Accessories (RC-636L)

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
21	QMP3950-183	Power Cord	⚠ (Safety Assurance Part)	1
22	V43338-1	Head Cleaning Stick		2
23	V04056-1	Shorting Plug		2
24	VGT12S2-J03	Cassette Tape		1
25	*VNM0699-301	Instruction Book		1
26	*VNC6305-001	Troubleshooting Chart		1
27	VNC6302-001	Accessory Guide	for head cleaning stick	1
	*VNF0699-001	Feature Sticker		1

Difference of Model RC-636LB

Difference between RC-636LB and RC-636L is the power supply section.

Wiring Connection of RC-636LB (Part)

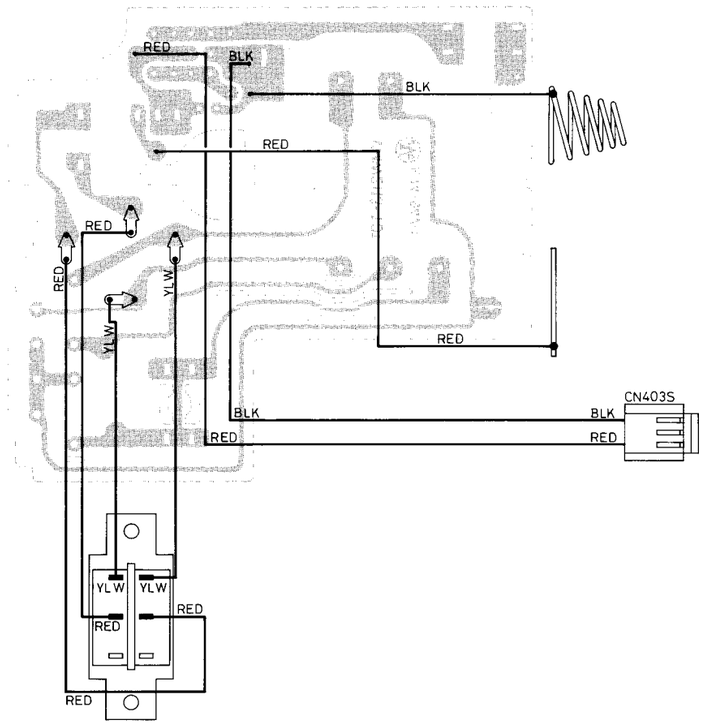


Fig. 47

Power Supply Circuit Board Ass'y (RC-636LB)

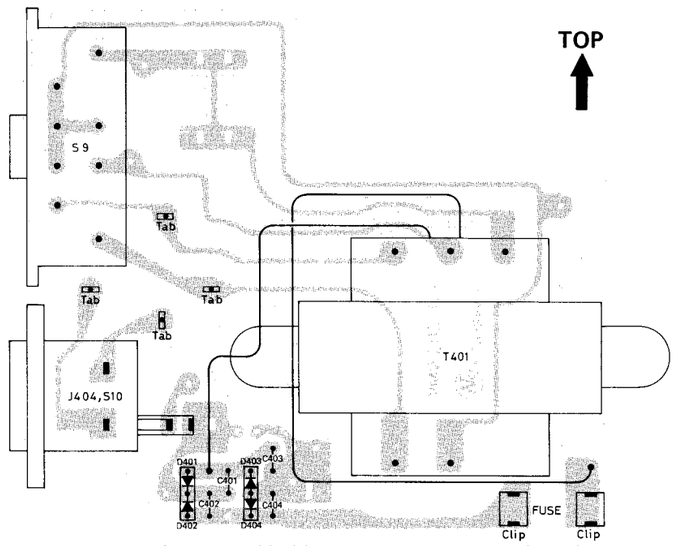


Fig. 48

Note: The circuit board assembly will not be available as spare part.

Diodes

Ref. No.	Parts No.	Parts Name	Description
D401,402	DS131A	Silicon (SANYO)	⚠Rectifier Stack
D403,404	DS132A	〃 (〃)	⚠ 〃

Capacitors

Ref. No.	Parts No.	Parts Name	Description
C401~404	QCF11EZ-103	Ceramic	0.01μF 25V
C444	QCS11HK-331	〃	330pF 50V

Others

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description
J404,S10	QMC0263-002	AC Socket Ass'y	⚠
S9	QSS2325-101	Slide Switch	⚠
T401	*VTP54N2-12C	Power Transformer	⚠
FUSE	QMF51A2-1R0	Fuse	⚠ 1AT
Clip	A44594-001	Fuse Clip	
Tab	VKL3143-001	Board in Tab	

Note: The parts marked ⚠ are the critical components for safety assurance.
Use the specified part, when replacing the safety assurance part, never use an equivalent one.

Exploded View of Rear Cabinet (RC-636LB)

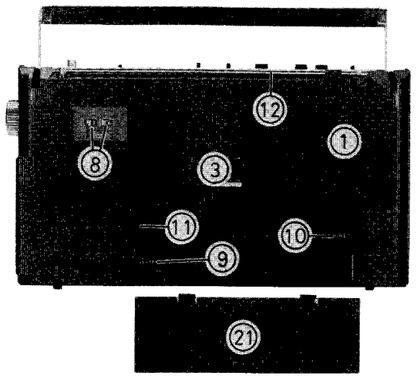


Fig. 49

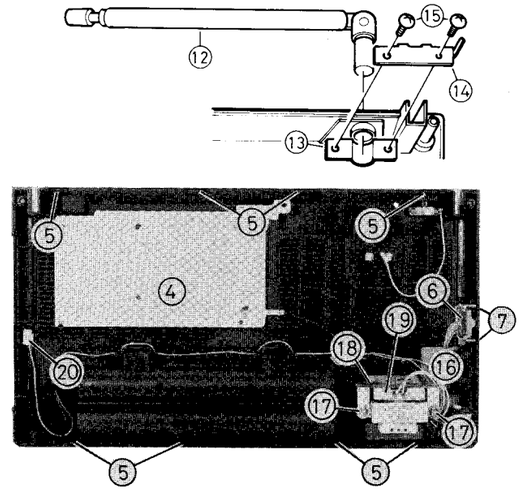


Fig. 50

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1~5	*ZCRC636LB-CBR	Rear Cabinet Ass'y		1
1	*VJC1032-001	Rear Cabinet		1
2			Blank No.	
3	*VYN5043-004C	Name Plate	Glued	1
4	*VYH3115-001	Shield Plate	Heat-caulked	1
5	VYSA1R6-021	Spacer	Glued	8
6	QSE2235-205	Seesaw Switch	⚠ S12	1
7	SHBP301BS	Screw		2
8	V44814-00B	Terminal Ass'y		2
9	53738-1	Spring		1
10	*VYH4011-001	〃		1
11	*VYH4010-001	Contact		1
12	*QZR4333-001	Rod Antenna		1
13	V44195-002	Rod Antenna Holder (A)		1
14	VYH4189-001	〃 (B)		1
15	SBSB3010Z	Screw		2
16	* ————	Circuit Board Ass'y	Power Supply	1
17	SBSB4020C	Screw		2
18	VYSH106-025	Spacer		1
19	*VYH4254-003	Shield		1
20	*VDM5043-002-003	Connector & Wire Ass'y	CN403S	1
21	*ZCRC636-BCA	Battery Cover Ass'y		1

Final Packing Ass'y (RC-636LB)

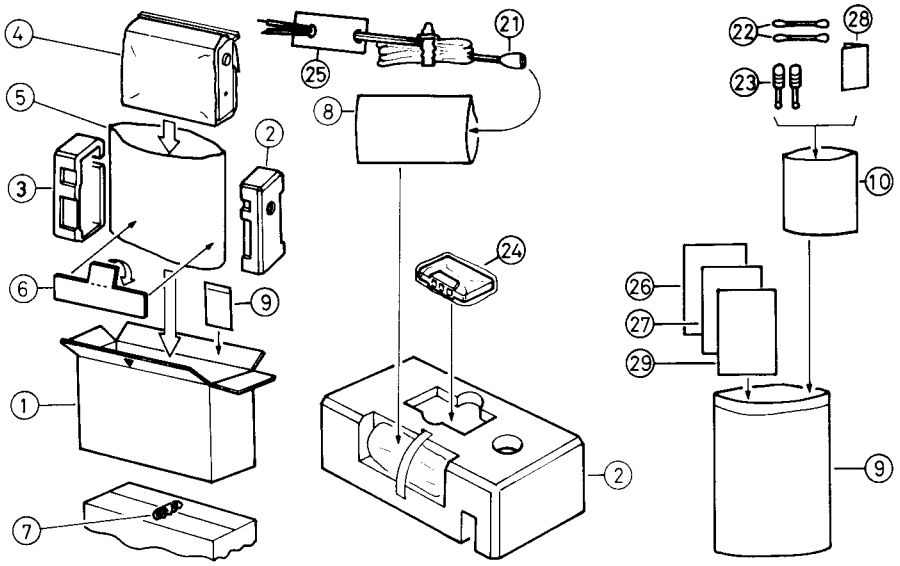


Fig. 51

Asterisked parts (*) show new parts.

Ref. No.	Parts No.	Parts Name	Description	Q'ty
1	*VPD5043-J05	Carton Box		1
2	*VPH1130-001	Side Cushion (R)		1
3	*VPH1132-001	" (L)		1
4	VHPJ109-039	Wrapping Paper		1
5	QPGA065-05005	Polyethylen Bag		1
6	*VPH4101-001	Protector	for Cassette Door	1
7	QPSC100-001	Curl Stopper		1
8	QPGA012-02505	Polyethylen Bag	for Power Cord	1
9	QPGB024-03404	"	for Accessories	1
10	QPGA012-01505	"	for Head Cleaning Stick	1

Accessories (RC-636LB)

Asterisked parts (*) show new parts.

Ref. No	Parts No.	Parts Name	Description	Q'ty
21	QMP9017-006	Power Cord	⚠ (Safety Assurance Part)	1
22	V43338-1	Head Cleaning Stick		2
23	V04056-1	Shorting Plug		2
24	VGT12S2 J03	Cassette Tape		1
25	QZL1002-003	Warning Label	⚠ for Power Cord	1
26	*VNM0699-301	Instruction Book		1
27	*VNC6305-001	Troubleshooting Chart		1
28	VNC6302-001	Accessory Guide	for head cleaning stick	1
29	BT20013B	Guarantee Certificate		1
	*VNF0699-001	Feature Sticker		1